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PANAMA CANAL COMMISSION

ANNUAL REPORT

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FISCAL YEAR ENDED SEPTEMBER 30, 1985

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PANAMA CANAL COMMISSION

Balboa, Republic of Panama
OFFICE OF THE ADMINISTRATOR

FROM THE ADMINISTRATOR

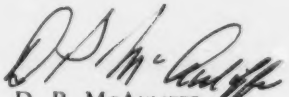
It is a pleasure to submit the annual report of the Panama Canal Commission, for fiscal year 1985.

At the end of this fiscal year, the sixth year of operation of the Panama Canal Commission, the Canal remains in excellent operating condition and its facilities and equipment continue to be improved and modernized. Traffic passing through the waterway showed a modest improvement with an increase in oceangoing transits to 31.9 ships per day from 31.1 per day in 1984. Both Panama Canal net tonnage and tolls revenue rose 4 percent from FY 1984 levels.

Projects of major significance to Canal customers completed or underway during the year included: overhaul of Gatun Locks miter gates and installation of lateral culvert bulkhead slots, construction of a vessel tie-up station in Gaillard Cut, upgrading of the Marine Traffic Control vessel monitoring system, rehabilitation of the locks fire fighting system, conversion of Canal buoys to conform to international standards, widening of Bohio Curve in Gatun Lake, enhancement of Commission reservoir management and weather monitoring capabilities, and the awarding of a contract for three new towing locomotives.

The performance of the Commission in accomplishing these and other multifaceted modernization and maintenance programs under the challenging conditions of treaty implementation demonstrates that a skilled and capable work force has been retained to operate the Canal. To ensure that the necessary strengths are available in the critical years ahead, training programs continue to receive high priority, with a major emphasis on increasing the participation of qualified Panamanians commensurate with Treaty requirements. Panamanians now compose 80 percent of the permanent Commission work force with many occupying key management and supervisory positions throughout the organization.

As we look to the future, I am certain that the spirit of cooperation and commitment evident in the Commission work force will enable the Panama Canal to meet the rapidly changing demands of the maritime industry.



D. P. McAULIFFE,
Administrator.

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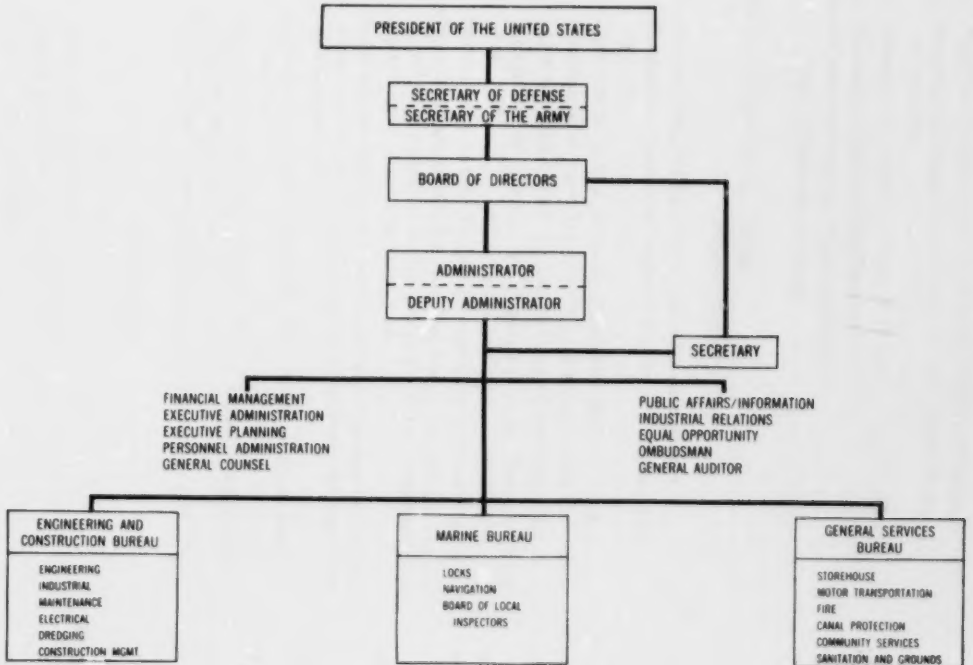
PANAMA CANAL COMMISSION



INTRODUCTION

ORGANIZATION

The Panama Canal Commission is an agency of the Executive Branch of the United States Government, provided for by the Panama Canal Treaty of 1977, and established by the Panama Canal Act of 1979 (93 Stat. 452; 22 U.S.C. 3601 et seq), enacted September 27, 1979. The authority of the President of the United States with respect to the Commission is exercised through the Secretary of Defense and the Secretary of the Army. The Commission is supervised by a nine-member Board. Five members are nationals of the United States and four are Panamanians. Board members who are U.S. nationals are appointed by the President with the advice and consent of the Senate.

The Commission was established to carry out the responsibilities of the United States with respect to the Panama Canal under the Panama Canal Treaty of 1977. In fulfilling these obligations, the Commission manages, operates, and maintains the Canal, its complementary works, installations, and equipment, and provides for the orderly transit of vessels through the Canal. The Commission will perform these functions until the treaty terminates on December 31, 1999, when the Republic of Panama will assume full responsibility for the Canal.

The Commission is expected to recover through tolls and other revenues all costs of operating and maintaining the Canal, including interest, depreciation, capital for plant replacement, expansion and improvements, and payments to the Republic of Panama for public services and annuities, in accordance with paragraph 5 of Article III and paragraphs 4(a) and (b) of Article XIII, respectively, of the Panama Canal Treaty of 1977. Revenues from tolls and all other sources are deposited in the U.S. Treasury in an account known as the Panama Canal Commission Fund. Appropriations for operating expenses and capital improvements are enacted annually by the Congress and are limited to the sum of the estimated receipts for the year, plus any unexpended balances in the Panama Canal Commission Fund.

THE CANAL

The Panama Canal is a lock-type canal approximately 51 miles long from deep water to deep water. The minimum width of the navigable channel is 500 feet. Navigable channel depth varies according to the

amount of water available in Canal storage areas. The normal range of permissible transit draft is from 38 feet to 39 feet 6 inches tropical fresh water.

Vessels transiting the Canal are raised in three steps to the level of Gatun Lake, the principal source of Canal water, then lowered to sea level again in three steps. The three sets of Canal locks are paired so as to permit simultaneous lockage of two vessels in the same direction or in opposite directions.

Since August 15, 1914, the official date of its opening, the Panama Canal has served world trade virtually without interruption. Through this fiscal year, a total of 650,799 vessels of all types have transited with 546,084 or 83.9 percent of the total being of the oceangoing commercial class.

TOLLS RATES

Panama Canal tolls rates were increased approximately 9.8 percent on March 12, 1983. Tolls rates are: (a) On merchant vessels, Army and Navy transports, tankers, hospital ships, supply ships, and yachts, when carrying passengers or cargo: $1.83 per net vessel ton of 100 cubic feet of actual earning capacity. Such tonnage is determined in accordance with the "Rules of Measurement of Vessels for the Panama Canal;" (b) on such vessels in ballast, without passengers or cargo: $1.46 per net vessel ton; and (c) on other floating craft: $1.02 per ton of displacement.

By treaty, the United States continues to provide to Colombia free transit through the Canal of its troops, materials of war, and ships of war.

BOARD OF DIRECTORS
Ending Fiscal Year 1985

Honorable WILLIAM R. GIANELLI
Chairman, Board of Directors
Panama Canal Commission
2000 L Street, NW., Suite 550
Washington, D.C. 20036

Honorable LUIS A. ANDERSON
Secretary General
Interamerican Regional Labor Organization
Mexico, D.F.

Honorable JOHN A. BUSHNELL
Deputy Chief of Mission
U.S. Embassy
Buenos Aires, Argentina

Honorable FERNANDO CARDOZE
Panama, Republic of Panama

Honorable ANDREW E. GIBSON
Short Hills, New Jersey

Honorable OYDEN ORTEGA
Panama, Republic of Panama

His Excellency CARLOS OZORES
Panamanian Ambassador to Spain
Madrid, Spain

Honorable WILLIAM SIDELL
Poway, California

Honorable WILLIAM W. WATKIN, Jr.
Beaufort, South Carolina

Executive Committee

Honorable WILLIAM R. GIANELLI
Chairman
Honorable FERNANDO CARDOZE
Honorable OYDEN ORTEGA
Honorable WILLIAM SIDELL
Honorable WILLIAM W. WATKIN, Jr.

Cut Widening Feasibility Committee

Honorable FERNANDO CARDOZE
Chairman
Honorable ANDREW E. GIBSON
Honorable OYDEN ORTEGA
Honorable WILLIAM W. WATKIN, Jr.

OFFICIALS IN THE REPUBLIC OF PANAMA

Administrator ..... Honorable D. P. MCAULIFFE
Deputy Administrator ..... Honorable FERNANDO MANFREDO, Jr.

OFFICIALS IN WASHINGTON, D.C.

Secretary ..... MICHAEL RHODE, Jr.

The "American Maine," a very large container ship (949.8 ft. length by 105.8 ft. beam), is shown entering the West Lane of Miraflores Locks on a Northbound transit.

Chapter I

CANAL TRAFFIC

TRAFFIC

Most elements of Canal traffic improved from prior year levels during fiscal year 1985. Cargo shipments through the Canal, however, decreased relative to the prior year. The gains in traffic without growth in cargo were primarily due to a rise in average ship size and an increase in low density commodities.

Oceangoing transits in fiscal year 1985 increased 2.4 percent to 11,654 or 31.9 vessels daily from 11,384 or 31.1 daily the prior year. Vessels owned or operated by the U.S. Government and free Colombian and Panamanian Government vessels made 139 transits during the year compared with 154 transits in fiscal year 1984.

Average ship size increased during fiscal year 1985 primarily as a result of transits by large, third generation container vessels deployed in new, round-the-world services. The increase was particularly concentrated in vessels with beams of 100 feet and over. Transits in this size category rose 9.8 percent to 2,382 or 20.4 percent of total oceangoing transits from 2,170 or 19.1 percent of total oceangoing transits in fiscal year 1984. Transits by vessels having beams of 80 feet and over accounted for 5,514 or 47.3 percent of total oceangoing transits compared with 5,496 or 48.3 percent of total oceangoing transits in the prior year. Average size of oceangoing commercial vessels, in terms of Panama Canal net tonnage, rose to 14,676 tons in fiscal year 1985 from 14,461 tons in 1984.

Total Panama Canal net tonnage increased 4.0 percent to 170.3 million in fiscal year 1985 from 163.8 million tons in the prior year. Correspondingly, tolls revenue rose 4.0 percent to $300.8 million from the $289.2 million in 1984.

A two-year summary of the principal elements of Canal traffic and tolls revenue is shown in the following table:

COMPARATIVE HIGHLIGHTS OF OPERATIONS

	Fiscal year 1985	1984
Oceangoing transits:		
Commercial	11,515	11,230
U.S. Government	129	137
Free	10	17
Total	11,654	11,384
Daily average	31.9	31.1
Small transits:		
Commercial	793	802
U.S. Government	273	241
Free	46	96
Total	1,112	1,139
Total cargo:		
Commercial	138,643,711	140,471,470
U.S. Government	259,524	329,607
Free	23	59
Total	138,903,258	140,801,136
Total Panama Canal net tons and reconstructed displacement tonnage	170,338,118	163,833,672
Transit revenue:		
Commercial tolls	$298,562,452	$286,754,765
U.S. Government tolls	2,236,404	2,400,270
Tolls revenue	$300,798,856	$289,155,035
Harbor pilotage, tug, launch, and other services	$61,824,017	$58,931,942
Total transit revenue	$361,824,017	$348,086,977

COMMODITIES AND TRADE ROUTES

Oceangoing commercial cargo totaled 138.6 million long tons during fiscal year 1985, with twelve key commodity groups accounting for 85.0 percent of that total. The groups, shown on page 10, have maintained relatively stable levels of importance to Canal traffic in recent years. In fiscal year 1984, the proportion observed for these commodity groups was 86.2 percent.

Despite a decline in petroleum and petroleum products, this commodity group continued to rank as the principal trade in fiscal year 1985, accounting for 19.3 percent of total oceangoing commercial cargo. The tonnage in this group totaled 26.8 million long tons, down by 12.7 percent from 30.7 million long tons the prior year. The petroleum and products movement at the Canal has been affected by sluggish conditions in these markets. Crude oil totaled 12.4 million tons, dropping 12.7 percent from

14.2 million long tons in fiscal year 1984 and petroleum products, at 14.4 million tons, registered a 12.7 percent decline from 16.5 million tons.

Grain was the second commodity group in fiscal year 1985, accounting for 17.0 percent of commercial cargo. Grain shipments totaled 23.5 million long tons, down 16.4 percent from the already depressed 28.1 million tons registered in fiscal year 1984. All components of the group, except oats and sorghum, showed decreases. The largest decline was reflected in the wheat tonnage which dropped 39.8 percent to 5.4 million long tons from the 9.0 million tons in the prior year. A number of factors accounted for the lower tonnage in the grain trade, particularly a smaller share of U.S. exports in Far East markets. Increased competition from countries such as Argentina and Australia, at the same time that some major importing countries have achieved self-sufficiency in certain grains, are factors which affected U.S. grain exports. An additional factor behind the drop in the Canal grain trade was the shift of U.S. export grain to West Coast ports, promoted by very low rail rates. Grain shipments from the U.S. to the Far East constituted 83.7 percent of the total movement, with Japan, Taiwan and China being the principal destinations.

A significant improvement was observed in the nitrates, phosphates and potash group in fiscal year 1985. This commodity group increased 20.2 percent to 11.9 million long tons from 9.9 million tons in 1984, gaining the third place in Canal major commodity groups. This trade accounted for 8.6 percent of total oceangoing commercial cargo.

Shipments of coal and coke increased 15.0 percent to 11.5 million long tons from 10.0 million tons the prior year, reversing a downward trend which began in 1983. Most of the increase was due to higher shipments to the Far East and Europe. Coal shipments to Japan, however, dropped 14.4 percent to 4.8 million long tons in fiscal year 1985, reflecting a declining U.S. market share in Japanese imports and increases in U.S. coal exports bypassing the Canal.

Other commodity groups experiencing gains during the year were ores and metals, which rose 11.5 percent to 9.7 million long tons; manufactures of iron and steel, which increased 6.9 percent to 7.8 million long tons; miscellaneous minerals, which rose 12.8 percent to 4.4 million long tons; canned and refrigerated foods, which rose 12.1 percent to 3.7 million long tons; and machinery and equipment, which was up by 9.1 percent to 2.4 million long tons.

Canal trades registering decreases during the year were lumber and products, which dropped 3.1 percent to 6.2 million long tons; chemicals and petrochemicals, which dropped 3.9 percent to 5.0 million long tons; and, miscellaneous agricultural commodities, which dropped 10.7 percent to 5.0 million long tons.

Trade between the East Coast of the United States and Asia
the leading route in Canal traffic, with nearly 38.0 percent
commercial cargo shipped over this route. The total cargo tonna
the U.S. East Coast-Asia route declined again this year, however,
million long tons to 52.2 million tons, a drop of 5.4 percent.

The following chart and table show the principal commodit
moving in oceangoing commercial vessels in 1985 and a comparis
major trade routes in fiscal years 1985 and 1984.

PRINCIPAL COMMODITY GROUPS
TRANSITING THE CANAL
OCEANGOING COMMERCIAL CARGO FY 1985
PERCENT OF TOTAL CARGO
PETROLEUM & PRODUCTS 19.3%
GRAINS 17.0%
NITRATES, PHOSPHATES, POTASH 8.6%
COAL & COKE 8.3%
ORES & METALS 7.0%
MFRS. OF IRON & STEEL 5.6%
LUMBER & PRODUCTS 4.5%
CHEMICALS & PETROCHEMICALS 3.6%
MISC. AGRICULTURAL COMMODITIES 3.6%
MISC. MINERALS 3.2%
CANNED & REFRIGERATED FOODS 2.6%
MACHINERY & EQUIPMENT 1.7%
ALL OTHER 15.0%
0 5 10 15 20 25 30 35 40 45 50
MILLIONS OF LONG TONS

Major Voyage Trade Routes in Canal Traffic

Trade Route	Fiscal year 1985 Panama Canal Net Tons	1985 Long Tons Cargo	1984 Panama Canal Net Tons	1984 Long Tons Cargo	Percent of Increase or (Decrease) Panama Canal Net Tons	Long Tons Cargo
	[In thousands of tons]					
East Coast United States-Asia	63,702	52,190	62,802	55,229	1.4	(5.5)
East Coast United States-West Coast South America	17,627	11,693	17,039	13,379	3.5	(12.6)
Europe-West Coast United States/Canada	14,473	14,228	14,339	14,288	0.9	(0.4)
Europe-West Coast South America	9,561	6,216	7,350	4,704	30.1	32.1
West Indies-Asia	4,995	2,556	4,029	2,143	24.0	19.3
U.S. Intercoastal (including Alaska and Hawaii)	4,793	3,770	5,320	4,464	(9.9)	(15.5)
East Coast Canada-Asia	4,739	3,779	5,002	4,281	(5.3)	(11.7)
West Indies-West Coast South America	4,614	4,495	4,944	4,119	(6.7)	9.1
East Coast United States/Canada-Oceania	4,313	5,058	4,218	4,864	2.3	4.0
Central American Intercoastal	4,010	3,743	4,442	4,120	(9.7)	(9.2)
Asia-Europe	4,024	3,014	2,360	1,948	70.5	54.7
Europe-Oceania	2,983	2,178	3,109	2,343	(4.1)	(7.0)
Subtotal	139,834	112,920	134,954	115,882	3.6	(2.6)
All other routes	29,107	25,723	27,381	24,589	6.3	4.6
Total	168,941	138,643	162,335	140,471	4.1	(1.3)

A berthing operation in progress at the new Tie-Up Station—recessed in the West Bank of the Canal—North of Pedro Miguel Locks.

Chapter II

CANAL OPERATIONS

Canal operations are comprised of Transit Operations and Maintenance and Related Canal Projects. The various functions are divided among a number of operating bureaus within the Canal agency.

TRANSIT OPERATIONS

Daily average transits by oceangoing vessels increased from the 31.1 per day during fiscal year 1984 to 31.9 per day during fiscal year 1985. Average time in Canal waters increased from 23.3 hours in fiscal year 1984 to 23.9 hours in fiscal year 1985.

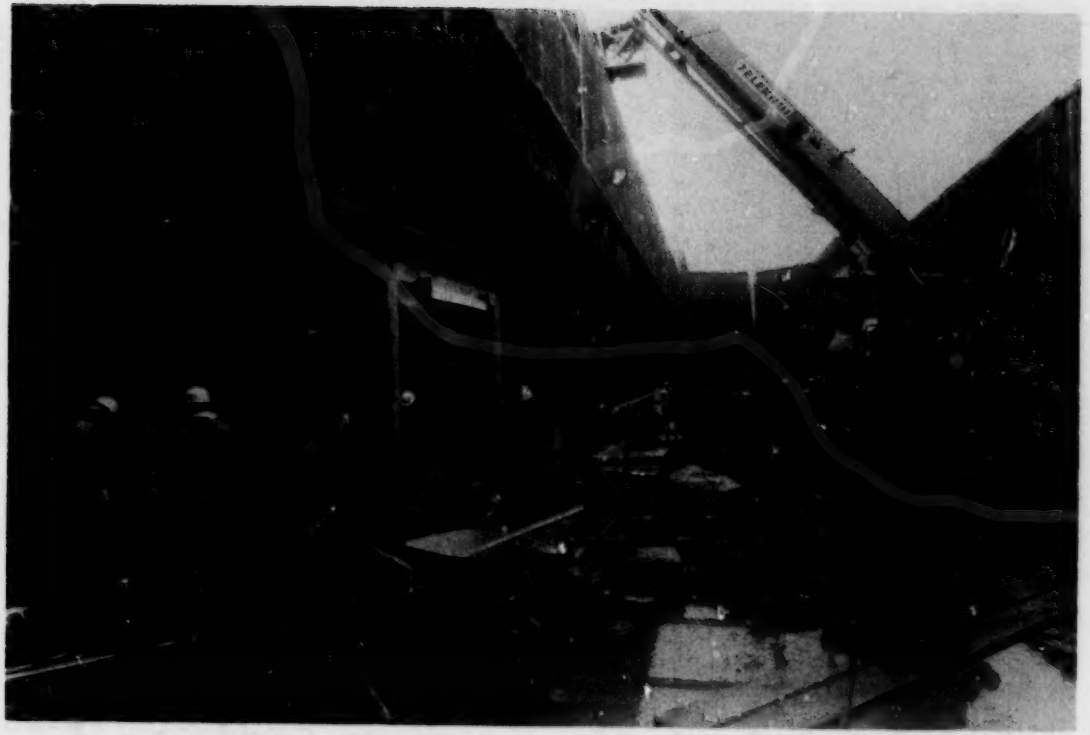
Fiscal year	*Vessels of 600-foot length and over*	*Percent of total oceangoing transits*	*Vessels of 80-foot beam and over*	*Percent of total oceangoing transits*
1985	3,862	33.1	5,514	47.3
1984	3,865	33.9	5,496	48.3
1983	4,157	35.1	5,869	49.5
1982	5,534	39.1	7,226	51.1
1981	4,855	34.7	6,364	45.5
1980	4,598	33.8	6,089	44.7
1979	4,089	31.3	5,503	42.1

The number of vessels transiting at more than 36-foot drafts decreased 9.6% during FY 1985 with 1,468 vessels transiting the Canal compared to 1,623 last year.* The maximum allowable draft remained at 39 feet 6 inches during the entire fiscal year.

Total jobs performed by Commission tugs increased from 33,796 in fiscal year 1984 to 34,209 in fiscal year 1985.

	Fiscal year	
	1985	*1984*
Oceangoing transits	11,654	11,384
Tug jobs:		
Balboa	22,991	23,242
Cristobal	11,218	10,554
Tug operating hours	54,889	55,675

* Changed from 1,715 to 1,623.



A "lateral culvert bulkhead slot frame" is shown being placed into the locks floor at the base of the center wall, during the Gatun Locks overhaul.

MAINTENANCE AND RELATED CANAL PROJECTS

Dredging activities continued throughout the fiscal year and May of 1985 saw the completion of the channel deepening project, thereby providing the additional water necessary to virtually guarantee a year-round maximum draft of 39.5 feet for transiting vessels. During FY 1985, the dredges *Mindi* and *Christensen* excavated more than 1.3 million cubic yards of earth and rock.

The Bohio Curve Widening Project is proceeding on schedule. Land drilling and blasting was completed in mid-August and dredging operations are scheduled to begin in mid FY 1986. During FY 1985, the Panama Canal lateral navigational aids system was changed to conform to the International Association of Lighthouse Authorities (IALA) Maritime Buoyage System. Presently all lights, colors, and characteristics, as well as the color of their structures, conform to the IALA System.

Between October 1984 and March 1985, Miter Gates Nos. 21, 22, 23, and 24 from Gatun Locks were overhauled at the Mount Hope Industrial Division using the newly installed syncrolift. As part of the overhaul at Gatun Locks, 109 lateral culvert bulkhead slots were constructed in the east and west floors of the locks chamber. These bulkhead slots at Gatun, together with those previously installed at Miraflores and Pedro Miguel Locks, permit both lanes to remain safely in service during inspection, maintenance, or overhaul of the center and sidewall culverts. Other important maintenance work included continued efforts on the replacement and rehabilitation of the towing locomotive track system, the fendering system at Gatun Locks, and reactivation of the SIP-3 fire protection system at all three locks.

In February 1985, work began on a major modernization of the Dredge MINDI to replace the old spud-maneuvering system with a new hydraulic system mounted on a barge attached to the stern of the dredge. In addition, the cutter motor will be changed to a 900 HP unit and the main power system will be centralized. The overall cost of this project will be approximately $3.6 million and will bring the capability of this 1937 dredge up to that of any modern dredge of its size and type.

In a continuing effort to upgrade the Commission's hydroelectric generation facilities, a new design turbine runner was installed in units No. 2 and No. 3 at Madden Dam Power Plant. The new design will reduce recurring cavitation damage repair costs and provide higher power output at high lake levels from the recently rewound and uprated generators. This work completes the project, begun in fiscal year 1984, to replace the turbine runners in all three Madden Dam units. Installation of the new Supervisory Control and Data Acquisition System (SCADA) for electrical power dispatching is progressing satisfactorily and is scheduled to be in full operation by the end of fiscal year 1986.

A solicitation for proposals to replace and upgrade the Commission telephone system was issued on July 10, 1985. The new system will replace obsolete, worn electromechanical switching equipment and provide all Commission facilities the opportunity to integrate both voice and data telecommunication services. This multi-year contract, the first of its type to

be approved by GSA for the Commission, is scheduled to be awarded in fiscal year 1986.

A new hydrographic station was constructed on the Piedras River above the Madden Reservoir to provide additional river elevation and rainfall data for early warning flood control operations. Because of the remoteness of the station, its construction required extensive helicopter support. Rio Piedras is the newest of a 30 station hydrographic network located throughout the Canal watershed.

Construction of the Vessel Tie-Up Station has been completed and the facility was accepted by the Commission on August 19, 1985. This station, located on the west bank of Gaillard Cut just north of Pedro Miguel Locks, increases lockage through-put by making it possible to moor northbound vessels awaiting transit of Gaillard Cut.

In other transit-related work, development efforts continued on the Commission's new computerized Marine Traffic Control System. This system, which will provide a major enhancement of vessel traffic management capabilities at the Panama Canal, is expected to come on line during the first quarter of FY 1986.

Miscellaneous maintenance work during the 1985 fiscal year included preparation of over 200 housing units to ensure minimum standards of safety, serviceability, and sanitation prior to their transfer to Panama. In addition, repair work on two major holes in Miraflores and Pedro Miguel locks walls was completed and a towing locomotive turntable installed on the centerwall of Miraflores Locks.

Chapter III

SUPPORTING OPERATIONS

Supporting operations of the Panama Canal Commission provided essential support services to the operation and maintenance of the waterway and the Agency's facilities, as well as to other U.S. agencies on the Isthmus and to employees and their dependents. These operations included logistical services, employee services, sanitation and grounds management, transportation facilities, public utilities, fire protection, Canal protection, health and safety, and library services.

LOGISTICAL SERVICES

The Storehouse Division provided centralized procurement, inventory management, warehousing, distribution, contract administration, and supply and property disposal support to Canal operations. A total of $66.6 million in goods and services were procured during fiscal year 1985, including $22.0 million from sources in Panama. Major contracting obligations included approximately $9.2 million for Bunker "C" fuel and $5.1 million for Navy special fuel for thermoelectric power generation, $4.7 million for light diesel fuel for floating equipment, $1.0 million for premium gasoline, $1.4 million for a split-hull dump barge, and $4.0 million for three locks towing locomotives.

Approximately $17.9 million in Commission inventory items were issued for Commission use, and $19.1 million was obligated for new inventory purchases during the year. A total inventory of 38,573 line items with an average landed cost value of $28.0 million was on hand at year end.

Activities of the Excess Disposal Branch included no-cost transfers to other U.S. Government agencies of excess equipment having an original acquisition value of approximately $899,814, while surplus property sold to the Government of Panama at fair market value amounted to approximately $75,000.

The Logistical Support Branch in New Orleans, LA., expedited urgent purchases and coordinated all Commission cargo shipments from the United States to Panama. Under the coverage of the Military Sealift Command's contract, 12,100 measurement tons of containerized and breakbulk cargo were shipped to the Port of Balboa. An additional 3,550

tons of general cargo and vehicles were shipped under commercial contract with an ocean freight shipper from New Orleans to Las Minas, Republic of Panama.

COMMUNITY SERVICES

During fiscal year 1985, the Community Services Division managed employee housing, Commission-owned buildings, library services, and the employee fitness program for the agency.

Housing expenditures were concentrated on programs for preventive maintenance and repairs, quarters energy conservation, and enhancing the physical security of quarters used by the Commission. The agency continued its multiyear housing management plan designed to concentrate its diminishing housing requirements in selected core areas. Implementation of the plan is enabling the Commission to utilize housing and related maintenance resources in the most cost-effective manner, while at the same time preserving optimum housing accommodations for its eligible employees and meeting its ongoing responsibilities under the Panama Canal Treaty. From March to June, 1985, the Commission transferred an additional 500 housing units, excess to its needs, to the Republic of Panama. At the end of the fiscal year, the agency retained the use of 1,895 housing units for its United States-citizen and other eligible employees. This represented 44% of the inventory of approximately 4,300 units owned by the Panama Canal Company immediately prior to entry into force of the Panama Canal Treaty in 1979, indicating that a total of 56% of those units have been transferred in use to Panama in six years.

The buildings management activity, which is responsible for the maintenance and operation of Commission buildings and structures (not specifically assigned to other Commission units) and for a centralized custodial service, transferred 14 non-residential buildings no longer required by the Commission to the Republic of Panama. The Community Services Division was designated as the agency's coordinator for the implementation of Executive Order 12411 and Temporary Regulation D-71 for efficient space management.

Library Services provided mission-support information and research to all units of the Commission and maintained a collection of library and three-dimensional materials relating to the history of the Panama Canal. The division also administered a variety of duty-related as well as off-duty fitness programs and facilities for Commission employees and their dependents.

SANITATION AND GROUNDS MANAGEMENT

Approximately 2,900 acres of improved grounds were maintained within and around Commission residential areas, buildings, and the locks and industrial facilities. Vegetation control was maintained by Grounds Management Branch crews along utility line rights-of-way, earthen saddle dams, Gatun Dam, Canal bank stability drainage systems, and around the perimeters of aids to navigation towers and targets. Close coordination

with Panama officials in the transfer of responsibility for grounds care, resulted in a smooth transition of services in connection with the transfer of large blocks of Commission quarters and buildings in Coco Solo, Ancon, and other areas.

Environmental health services essential to maintain public health in the Panama Canal area were furnished by the Sanitation Management Branch. Surveillance and control of biting insects and vermin capable of transmitting disease were continued in the Canal Area with emphasis on non-chemical control methods such as drainage maintenance in lieu of extensive dispersements of chemical insecticides. Some 220 miles of surface water drainage ditches were maintained to eliminate mosquito breeding around employee work and housing areas. Requirements of specialized mosquito control measures continue to be necessary for the prevention of such major insect-borne tropical diseases as malaria, yellow fever, and dengue. Additional control efforts were directed against cockroaches, house flies, bats, rats, venomous snakes and other vermin.

Africanized honeybees continue to present ongoing problems within residential areas, at Canal work sites and on vessels transiting Canal waters. A total of 923 swarms and nests of Africanized bees were destroyed in a cooperative effort between Commission and U.S. military bee control teams this fiscal year, a 25 percent increase over the previous year's total. Nests have become more numerous and several severe stinging incidents have occurred, but no human deaths have yet occurred. Commission bee control teams handled 20 swarms on board transiting ships during the year, as compared to 12 incidents last year. A recent inadvertent introduction of Africanized bees into the central valley of California by an infested shipping container emphasizes the continuous need to provide effective bee control and maritime quarantine at the Panama Canal.

The Commission's Pacific and Atlantic sanitary landfill refuse disposal facilities handled 76,000 tons of refuse over the past year. Of the two sites, the Atlantic landfill is unique in that for the past 45 years, it has been utilized to receive all municipal refuse from the Colon metropolitan area and the U.S. military bases, in addition to that of the Commission's residential areas and Panama Canal work sites.

TRANSPORTATION FACILITIES

The Motor Transportation Division operated and maintained a consolidated motor pool of 866 vehicles designed to meet the vehicular transportation requirements of the Commission. The vehicle fleet in fiscal year 1985 included 602 trucks of various types, 208 passenger-carrying vehicles, and 56 special-purpose vehicles. Vehicle mileage decreased slightly from 7,170,000 miles in fiscal year 1984 to 7,056,706 miles in fiscal year 1985. Fully equipped shops, including a tire retreading facility and heavy duty repair shops, provided facilities for overhauls, maintenance and repairs to the Motor Transportation Division fleet and equipment of other Commission units. In addition, some services were contracted out where they were available in required quantity and quality in Panama. The

vehicle inspection facility located within the Motor Transportation Division, Ancon area garage, also was used by the Government of Panama to conduct inspections of privately-owned vehicles and by the Motor Transportation Division to perform Commission vehicle inspections.

PUBLIC UTILITIES AND ENERGY

Panama Canal Commission facilities include electric power generation and distribution systems, communication systems, water purification and distribution systems, and a central chilled water air conditioning system for certain public buildings on the Pacific side.

Total Canal area energy demand during fiscal year 1985 was 497 gigawatt hours, a 7.5 percent decrease from the 533 gigawatt hours used last year. The peak hourly demand of 81 megawatts reached on May 3, 1985, was 3.6 percent below the peak of 84 megawatts in the prior year. Agency-directed energy consumption in fiscal year 1985 for electrical power and fuel, calculated together in Btu's, was reduced a total of 28.9 percent in relation to the fiscal year 1975 baseline established by the Federal Energy Management Program. Electrical power consumption by the Commission, 71.6 gigawatt hours, was 3.7 percent below the usage levels recorded for comparable operations in fiscal year 1975; fuel consumption, excluding fuel for power generation, 3.9 million gallons, was 49.4 percent below the corresponding 1975 fiscal year baselines.

The water treatment and distribution systems operated by the Commission provide potable water for the Canal area and areas of the Republic of Panama. The Pacific side system serves the Canal area, Panama City, and suburban areas; and the separate Atlantic side system serves the Canal area, the city of Colon, and suburban areas. During fiscal year 1985, the two systems supplied 3,182 million cubic feet of potable water to consumers, a decrease of about 0.4 percent from the previous year. Water consumed by Panama City and Colon metropolitan areas amounted to approximately 51.1 million gallons per day.

FIRE PROTECTION

The Panama Canal Commission Fire Division, in conjunction with the Republic of Panama Fire Corps, is responsible for providing fire protection, firefighting, and rescue operations in Canal operating areas, defense sites, civilian and military areas of coordination, and shipboard firefighting on all vessels in Canal waters.

During fiscal year 1985, there were 758 fires (excluding ships), causing a loss of $385,892 as compared to 563 fires during fiscal year 1984 which resulted in a loss of $384,952. There were 20 ship fires during this year versus 17 in the previous year. Ship fire losses in fiscal year 1985 were $353,405 as compared to $243,112 the year before. A variety of hazardous materials type emergency responses totaled 64. Ship hazardous cargo stand-bys and marine/dock emergencies totaled 811.

CANAL PROTECTION

The Canal Protection Division is responsible for providing plant protection and physical security for Panama Canal Commission vital installations and facilities devoted to the operation, maintenance, and management of the Panama Canal. Physical security improvement projects continued during the fiscal year in accordance with the program designed to upgrade security systems and hardware and will continue over the next several years. In addition, a new in-service employment concept for filling guard vacancies began during the year using the upward mobility program, which should improve the quality of guard personnel and help reduce turnover.

HEALTH AND SAFETY

The Occupational Health Division and the Safety Division are components of the Office of Personnel Administration. The Personnel Director is the Designated Agency Safety and Health Official.

During fiscal year 1985, the Commission experienced 748 performance-of-duty accidents in which the employees required medical attention beyond first aid, as compared to 675 such accidents in fiscal year 1984. Though the incident rate rose from 7.7 in fiscal year 1984 to 9.1 per 200,000 man-hours worked in fiscal year 1985, there were no fatalities recorded in fiscal year 1985, as compared to the ten experienced in fiscal year 1984. The sharp decline in fatal accidents can be attributed in part to intensified safety and health awareness, increased training and publicity, issuance and implementation of various new criteria and policies covering safe and healthful work practices and use of protective equipment, such as safe PCB handling, working in confined spaces, and mandatory seat belt use. Additionally, the Commission's alcohol and drug abuse rehabilitation program was strengthened through increased emphasis on counseling abusers, thereby serving to further ensure a safe working environment.

Chapter IV

ADMINISTRATION AND STAFF

PERSONNEL
FORCE EMPLOYED AND RATES OF PAY

At the end of fiscal year 1985, the total Isthmian force of the Commission was 8,435 compared to 8,090 employees in fiscal year 1984. Approximately 82 percent of the 1985 Isthmian force was comprised of Panamanians; 2 percent of third country nationals; and the remaining 16 percent of U.S. citizens. Of the total Isthmian force, 7521 were permanent and 914 temporary. There was a U.S. Coast Guard officer assigned to the Commission on the Isthmus. In addition, fourteen persons, all U.S. citizens, were employed by the Commission in New Orleans and Washington, D.C.

Rates of pay were based on a U.S. Wage Base for positions which historically have been hard to fill, and on a Canal Area Wage Base for other occupational categories. Although originally scheduled for elimination in October 1985, the last step of a three-stage plan to phase out the New Wage System was for various administrative reasons implemented on September 29, 1985; this eliminated the remaining difference between the New Wage System and pre-treaty wage schedules. The following table shows the Commission civilian permanent Isthmian work force by citizenship and wage base.

Fiscal Year 1985	*U.S.*	*Non-U.S.*	*Total*
Canal Area Wage Base	119	4,221	4,340
U.S. Wage Base	1,221	1,960	3,181
Total	1,340	6,181	7,521

The total Commission payroll was $182.7 million in fiscal year 1985 compared to $178.3 million in fiscal year 1984. Of the total Commission fiscal year 1985 payroll, $118.5 million was paid to non-U.S. citizen employees and $64.2 million to U.S. citizen employees.

EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

Between fiscal year 1984 and 1985, the number of EEO complaints formally filed with the Agency continued to decrease. A breakdown, by citizenship grouping, of formal complaints filed with the Agency during fiscal years 1984 and 1985 follows:

Citizenship Group	Fiscal year 1985	Fiscal year 1984
United States	6	4
Non-United States	0	4
Total	6	8

This continuing decrease in the number of EEO complaints reflects the growing number of employees utilizing the grievance procedures negotiated under the Agency's collective bargaining agreements.

Panamanians continued to increase as a percentage of total permanent work force as follows:

	Fiscal year 1985		Fiscal year 1979	
United States Citizens	1,354	(18.0%)	2,105	(26.4%)
Panamanian Citizens	6,000	(79.6%)	5,523	(69.2%)
Third Country Nationals	181	(2.4%)	350	(4.4%)
Total	7,535	(100.0%)	7,978	(100.0%)

Over the six-year period, since October 1, 1979 through September 30, 1985, that the Panama Canal has operated under treaty mandates for increasing the participation of Panamanians, the Agency's total permanent work force decreased 5.6%, while the number of Panamanians rose by 8.6%. This trend of increased participation cuts across all wage categories and pay levels in the Agency.

Between Fiscal Years 1984 and 1985, there was little variation in composition of the total permanent work force on the basis of sex:

	Fiscal year 1985		Fiscal year 1984	
Male	6,744	(89.5%)	6,722	(89.7%)
Female	791	(10.5%)	775	(10.3%)

PUBLIC AFFAIRS

During fiscal year 1985, the Office of Public Affairs expanded its activities in support of marketing efforts and customer relations in addition to providing media coverage of Panama Commission activities locally and internationally. Through the Commission publication, Spillway, and local press releases, employees were provided information on significant milestones in treaty implementation which affected their work and daily lives as well as news of Canal operations and Commission policies.

The Graphic Branch provided support to the foregoing activities, and produced a variety of audio-visual aids, including slide briefings to assist in official orientations for visitors to the Canal; two multi-image shows, a three projector one for the topographical model at Miraflores Locks and a

12-projector one for use at local and international maritime expositions and conferences. A new information film, "The Vital Element", to stress the importance of preserving the Canal's watershed, was also produced.

During the year, the Guide Service handled a total of 280,480 visitors at Miraflores and Gatun Locks and conducted 843 VIP tours. Among the visitors were officials of the shipping industry, representatives of television networks, writers for news, travel, and shipping industry publications, producers of motion picture documentaries, and government and business officials from all over the world.

OMBUDSMAN

The Office of the Ombudsman, established by the Implementing Legislation for the Panama Canal Treaty of 1977, continued to respond to employee and dependent complaints, grievances, and request for information. Generally, complaints required the Ombudsman to investigate administrative problems, inefficiencies, omissions, and policy conflicts caused within the Panama Canal Commission and other U.S. Government agencies on the Isthmus as a result of the treaty. In resolving complaints, the widest latitude possible was applied to consideration of problems affecting employee morale and quality of life.

During fiscal year 1985, over 1,962 requests for information and/or assistance were recorded by the Ombudsman. As in the previous year, the majority of the Ombudsman's work concerned Commission employees and those employees who were transferred with their functions from the Panama Canal Company/Canal Zone Government to the Department of Defense.

INDUSTRIAL RELATIONS

With the exception of the pilot bargaining unit, labor-management relations within the Commission during the past year have been marked by routine contract administration activity. Communication between labor and management was generally good and unions continued to enjoy access to the Commission's top management officials. There was an increased awareness by management officials of the obligation to deal with the unions as part of the process of effecting changes in the work place. Labor-management concerns of a pressing nature received prompt attention, and resort to third party dispute resolution was minimal.

Renegotiation of the basic collective bargaining agreement between the Commission and its pilot employees, which began in February 1984 and resulted in impasse prior to the end of fiscal year 1984, was not brought to a conclusion until January of 1985. The agreement that emerged and which was imposed by the Federal Service Impasses Panel, although less generous than the prior agreement, restored a necessary balance to the relationship between the Commission and the pilots. The change, however, was not well accepted and many pilots have refused to embrace the new agreement. The result has been full resort by the union to the entire panoply of dispute

resolution machinery in a campaign against management initiatives and many aspects of the new collective bargaining agreement.

GENERAL COUNSEL

Legislation has been introduced in the 99th Congress to amend the provisions of the Panama Canal Act of 1979 pertaining to vessel damage claims. This bill, H.R. 729, was passed by the House of Representatives on July 22, 1985. By the close of fiscal year 1985, the Senate Armed Services Committee had not held hearings on bill H.R. 729. This bill is virtually identical to bills introduced in both Houses of the 98th Congress, which failed to reach the floor of either House before the end of that Congressional session.

The new bill, H.R. 729, if enacted, would transfer from the Congress to the Commission the authority to settle and pay claims of more than $120,000 for damage to vessels which occurs outside the locks of the Canal and would subject the Commission to suit on non-locks accidents by claimants who are not satisfied by the Agency's findings, determinations or awards with respect to such claims. In addition, the bill would protect the General Fund of the Treasury from liability for accidents, allow the Commission to purchase catastrophic insurance and set a time limitation on the filing of claims.

Chapter V

FINANCIAL REPORT

FINANCIAL STATEMENTS FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 1985

The financial statements of the Panama Canal Commission, appearing as Tables 1 through 6, with accompanying notes, present the financial position of the Commission at September 30, 1985, and the results of its operations for the fiscal year then ended.

The accounts and statements of the Panama Canal Commission have been examined by the Office of General Auditor of the Commission and are subject to examination by the United States General Accounting Office. Detailed audit reports of the United States General Accounting Office are directed to the Congress and are presented as Congressional documents.

Summary information concerning operating results and capital expenditures follows:

RESULTS OF OPERATIONS

Net revenue from operations amounted to $1.1 million. This amount is payable to the Government of Panama pursuant to the provisions of paragraph 4(c) of Article XIII of the Panama Canal Treaty of 1977 subject to the limitations set forth in chapter 3, subchapter V, section 1341(b)(2) of the Panama Canal Act of 1979 (Public Law No. 96-70).

CAPITAL EXPENDITURES

Accrued capital expenditures for fiscal year 1985 amounted to $29.2 million. The principal expenditures were $4.1 million for installation of bulkhead slots at Gatun Locks, $3.9 million for replacement of tugboats, $2.0 million for the purchase of three split hull dump barges, $1.7 million for the Vessel Tie-Up Station, $1.4 million for upgrading Marine Traffic Control System, $0.9 million for the installation of the Supervisory Control and Data Acquisition System for the Commission's power system.

Table 1.—Statement of Financial Position

Assets	1985	1984
PROPERTY, PLANT AND EQUIPMENT:		
At cost (Note 1c)	$896,689,808	$888,551,801
Less accumulated depreciation and valuation allowances (Notes 1e, 2 and 3)	426,669,494	420,152,474
	470,020,314	468,399,327
CURRENT ASSETS:		
Cash and fund balances (Notes 4 and 5):		
Deposit funds and undeposited receipts:		
Postal fund	146,195	151,542
Trust fund	1,172,298	521,421
Cash receipts for deposit into U.S. Treasury	456,513	917,191
	1,775,006	1,590,154
Unexpended appropriated funds:		
Operating funds	43,357,867	46,185,064
Capital funds	24,605,692	28,986,025
Emergency fund	10,000,000	10,000,000
	77,963,559	85,171,089
	79,738,565	86,761,243
Accounts receivable:		
Regular	11,310,945	13,844,708
Other (Note 7)	826,867	826,867
	12,137,812	14,671,575
Inventories, less allowance for obsolete and excess stock of $423,954 and $400,000, respectively (Notes 1g and 6c)	40,695,032	40,718,200
Other current assets	400,566	262,627
	132,971,975	142,413,645
OTHER ASSETS:		
Deferred charges:		
Cost of early retirement benefits (Note 1h)	273,840,000	293,400,000
Retirement benefits to certain former employees of predecessor agencies (Note 1h)	8,740,000	9,596,000
Other	204,106	408,213
	282,784,106	303,404,213
TOTAL ASSETS	$885,776,395	$914,217,185

The accompanying notes are an integral part of this statement.

September 30, 1985 and 1984

Liabilities	1985	1984
INVESTMENT OF THE UNITED STATES GOVERNMENT:		
Invested capital:		
Interest-bearing (10.720% and 10.208%, respectively)	$76,901,053	$84,014,932
(Note 9)	286,084,032	277,910,116
Non-interest-bearing	362,985,085	361,925,048
Current budgetary accounts (Note 4):		
Obligated operating funds	43,357,867	46,185,064
Obligated capital funds	15,232,473	19,792,831
Unobligated capital funds	9,373,219	9,193,194
Unobligated emergency fund	10,000,000	10,000,000
	77,963,559	85,171,089
	440,948,644	447,096,137
CURRENT LIABILITIES:		
Accounts payable:		
U.S. Government agencies	4,851,421	4,861,685
Government of Panama	6,423,722	6,630,604
Other	9,069,465	8,067,022
	20,344,608	19,559,311
Accrued liabilities:		
Employees' leave	40,368,754	39,643,978
Salaries and wages	5,391,152	4,513,849
Cost of early retirement benefits (Note 1h)	19,560,000	19,560,000
Retirement benefits to certain former employees of predecessor agencies (Note 1h)	1,152,000	1,234,000
Employees' repatriation	951,000	1,270,000
Marine accident claims (Notes 7 and 10)	5,499,542	8,569,562
Net revenue payable to Government of Panama	1,118,755	2,704,695
Other	2,269,221	5,010,926
	76,310,424	82,507,010
Other current liabilities:		
Unfunded marine accident claims (Notes 7 and 10)	23,052,507	19,782,519
Advances for capital-unexpended (Notes 1d and 11)	9,614,130	14,078,394
Other	1,188,069	483,062
	33,854,706	34,343,975
	130,509,738	136,410,296
DEFERRED CREDIT:		
Advances for capital being amortized (Notes 1d, 6a and 11)	26,082,854	17,501,785
LONG-TERM LIABILITIES AND RESERVES:		
Cost of early retirement benefits (Note 1h)	254,280,000	273,840,000
Retirement benefits to certain former employees of predecessor agencies (Note 1h)	7,588,000	8,362,000
Employees' repatriation	7,386,000	10,728,400
Lock overhauls (Note 1i)	2,796,648	5,395,232
Marine accidents (Note 1j)	13,053,215	11,771,923
Casualty losses (Note 1j)	745,693	611,412
Floating equipment repair (Notes 1k and 6b)	2,385,603	2,500,000
	288,235,159	313,208,967
TOTAL LIABILITIES	$885,776,395	$914,217,185

The accompanying notes are an integral part of this statement.

Table 2.—Statement of Operations and Non-Interest-Bearing Investment
Fiscal Years Ended September 30, 1985 and 1984

	1985	1984
OPERATING REVENUES:		
Tolls (Note 1b)	$300,807,914	$289,155,035
Advances for capital (Note 1d)	.....	.....
Net tolls revenue	300,807,914	289,155,035
Other	111,669,114	120,114,444
Advances for capital (Note 11)	(5,753,649)	(4,853,615)
Net other revenues	105,915,465	115,260,829
Total operating revenues	406,723,379	404,415,864
OPERATING EXPENSES (Note 6d):		
Payments to the Government of Panama:		
Public services	10,000,000	10,000,000
Fixed annuity	10,000,000	10,000,000
Tonnage	52,803,013	49,143,817
	72,803,013	69,143,817
Maintenance of channels and harbors	42,384,789	39,633,790
Navigation service and control	66,755,872	71,396,827
Locks operation	42,881,108	46,516,500
General repair, engineering and maintenance services	19,044,297	5,074,102
Supply and logistics	15,517,805	7,612,534
Utilities	34,680,996	34,538,353
Housing operations	6,893,595	6,121,134
General and administrative	65,937,035	70,460,073
Interest on interest-bearing investment (Note 9)	7,713,238	9,796,269
Other	30,992,876	37,284,966
Total operating expenses	405,604,624	397,578,365
NET OPERATING REVENUE (Notes 1b and 8)	1,118,755	6,837,499
INVESTED CAPITAL—NON-INTEREST-BEARING:		
Unrecovered costs (recovered) deferred (Notes 1b and 8)	.....	(4,132,804)
Net revenue payable to Government of Panama	(1,118,755)	(2,704,695)
Investment at beginning of fiscal year	277,910,116	268,748,245
Miscellaneous receipts deposited into the U.S. Treasury	917,191	282,793
Due U.S. Treasury for undeposited receipts	(456,513)	(917,191)
Interest on interest-bearing investment (Note 9)	7,713,238	9,796,269
INVESTED CAPITAL—NON-INTEREST-BEARING AT END OF FISCAL YEAR	$286,084,032	$277,910,116

The accompanying notes are an integral part of this statement.

Table 3A.—Statement of Changes in the Investment of the United States Government
Fiscal Year Ended September 30, 1985

	Invested Capital					
	Interest-Bearing	*Non-Interest-Bearing*	*Emergency Fund*	*Operating Funds*	*Capital Funds*	*Total*
INVESTMENT AT OCTOBER 1, 1984	$84,014,932	$277,910,116	$10,000,000	$46,185,064	$28,986,025	$447,096,137
Appropriation by the Congress for fiscal year 1985				404,646,000	25,200,000	429,846,000
	84,014,932	277,910,116	10,000,000	450,831,064	54,186,025	876,942,137
INCREASES IN INVESTMENT:						
Prior year receipts deposited into the U.S. Treasury		917,191				917,191
Expenditures from capital appropriations	29,580,333				(29,580,333)	
Expenditures from operating appropriations	383,034,130			(383,034,130)		
Interest on interest-bearing investment		7,713,238				7,713,238
Property transferred from other U.S. Government agencies	73,414					73,414
Net revenue (Note 1b)		1,118,755				1,118,755
	412,687,877	9,749,184		(383,034,130)	(29,580,333)	9,822,598
DECREASES IN INVESTMENT:						
Funds to be covered into the U.S. Treasury				24,439,067		24,439,067
Receipts deposited into the U.S. Treasury	416,106,788					416,106,788
Due U.S. Treasury for undeposited receipts		456,513				456,513
Property transferred to the Government of Panama	3,437,013					3,437,013
Property transferred to other U.S. Government agencies	257,955					257,955
Net revenue payable to Government of Panama (Note 1b)		1,118,755				1,118,755
	419,801,756	1,575,268		24,439,067		445,816,091
INVESTMENT AT SEPTEMBER 30, 1985	$76,901,053 (Note 9)	$286,084,032	$10,000,000	$43,357,867	$24,605,692	$440,948,644

The accompanying notes are an integral part of this statement.

Table 3B.—Statement of Changes in the Investment of the United States Government
Fiscal Year Ended September 30, 1984

	Invested Capital		Emergency Fund	Operating Funds	Capital Funds	Total
	Interest-Bearing	Non-Interest-Bearing				
INVESTMENT AT OCTOBER 1, 1983	$108,905,590	$268,748,245	$10,000,000	$45,222,217	$28,517,883	$461,393,935
Appropriation by the Congress for fiscal year 1984	.....	.....	.....	391,912,000	21,813,000	413,725,000
	108,905,590	268,748,245	10,000,000	437,134,217	50,330,883	875,118,935
INCREASES IN INVESTMENT:						
Prior year receipts deposited into the U.S. Treasury	.....	282,793	.....	.....	.....	282,793
Expenditures from capital appropriations	21,344,858	.....	.....	.....	(21,344,858)	.....
Expenditures from operating appropriations	360,006,716	.....	.....	(360,006,716)	.....	.....
Interest on interest-bearing investment	.....	9,796,269	.....	.....	.....	9,796,269
Net revenue (Notes 1b and 8)	.....	2,704,695	.....	.....	.....	2,704,695
	381,351,574	12,783,757	.....	(360,006,716)	(21,344,858)	12,783,757
DECREASES IN INVESTMENT:						
Funds to be covered into the U.S. Treasury	.....	.....	.....	30,942,437	.....	30,942,437
Receipts deposited into the U.S. Treasury	405,954,027	.....	.....	.....	.....	405,954,027
Due U.S. Treasury for undeposited receipts	.....	917,191	.....	.....	.....	917,191
Property transferred to the Government of Panama	116,358	.....	.....	.....	.....	116,358
Property transferred to other U.S. Government agencies	171,847	.....	.....	.....	.....	171,847
Net revenue payable to Government of Panama (Notes 1b and 8)	.....	2,704,695	.....	.....	.....	2,704,695
	406,242,232	3,621,886	.....	30,942,437	.....	440,806,555
INVESTMENT AT SEPTEMBER 30, 1984	$84,014,932 (Note 9)	$277,910,116	$10,000,000	$46,185,064	$28,986,025	$447,096,137

The accompanying notes are an integral part of this statement.

Table 4.—Statement of Changes in Financial Position

	1985	1984
SOURCE OF FUNDS:		
From Operations:		
Revenue	$406,723,379	$404,415,864
Less operating expenses:		
Interest on interest-bearing investment	7,713,238	9,796,269
Payments to the Government of Panama	72,803,013	69,143,817
Other expenses	325,088,373	318,638,279
Total operating expenses	405,604,624	397,578,365
Net operating revenue (Notes 1b and 8)	1,118,755	6,837,499
Unrecovered costs for fiscal year 1983 (recovered) deferred (Notes 1b and 8)	.....	(4,132,804)
Net revenue payable to Government of Panama (Notes 1b and 8)	(1,118,755)	(2,704,695)
Add transactions not requiring outlay of funds:		
Depreciation (Note 1e)	18,415,373	19,586,529
Provision for lock overhauls (Note 1i)	3,741,000	5,071,000
Provision for casualty losses (Note 1j)	5,200,000	7,400,000
Provision for floating equipment repair (Notes 1k and 6b)	2,500,000	2,500,000
Other	4,482,630	5,665,966
	34,339,003	40,223,495
Change in investment of the U.S. Government:		
Interest on interest-bearing investment	7,713,238	9,796,269
Receipts deposited into U.S. Treasury	(416,106,788)	(405,954,027)
Disbursements from appropriated funds	412,614,464	381,351,575
Net property transfers	(3,621,554)	(288,206)
Other	460,677	(634,399)
	1,060,037	(15,728,788)
Amortization of advances for capital	1,636,845	941,478
Advances for capital being amortized (Notes 1d, 6a and 11)	8,581,069	3,064,777
Total source of funds	45,616,954	28,500,962
APPLICATION OF FUNDS:		
Lock overhauls expenditures	6,339,585	7,283,342
Casualty losses expenditures	3,784,427	7,842,622
Accrued capital expenditures	29,212,127	22,456,349
Floating equipment repair expenditures	2,614,397	.....
Total application of funds	41,950,536	37,582,313
INCREASE (DECREASE) IN WORKING CAPITAL	$3,666,418	$ (9,081,351)
ANALYSIS OF CHANGES IN WORKING CAPITAL:		
Increase (decrease) in current assets:		
Cash	$184,853	$15,843
Receivables	(2,533,763)	2,801,163
Inventories	(23,168)	(1,292,084)
Other	137,938	(91,755)
	(2,234,140)	1,433,167
Decrease (increase) in current liabilities:		
Accounts payable	(785,297)	(4,730,783)
Accrued liabilities	6,196,586	(3,674,921)
Other current liabilities	489,269	(2,108,814)
	5,900,558	(10,514,518)
INCREASE (DECREASE) IN WORKING CAPITAL	$3,666,418	$ (9,081,351)

The accompanying notes are an integral part of this statement.

Table 5.—Statement of Status of Appropriations

	1983	1984
SOURCE OF APPROPRIATIONS:		
Operating funds:		
Current year operating appropriation	$404,646,000	$391,912,000
Obligated operating funds brought forward:		
Fiscal year 1980	1,692,534	2,543,398
Fiscal year 1981	.....	3,424,423
Fiscal year 1982	.....	4,717,168
Fiscal years—Merged	6,412,176	.....
Fiscal year 1983	3,887,554	34,537,228
Fiscal year 1984	34,192,800	.....
	46,185,064	45,222,217
	450,831,064	437,134,217
Capital funds:		
Current year capital appropriation (no year)	25,200,000	21,813,000
Obligated capital funds brought forward:		
Fiscal year 1980	159,270	273,632
Fiscal years 1981 through 1983	.....	17,758,053
Fiscal years 1981 through 1984	19,633,561	.....
	19,792,831	18,031,685
Unobligated capital funds (no year) brought forward:		
Fiscal year 1980	87,103	201,847
Fiscal years 1981 through 1983	.....	10,284,351
Fiscal years 1981 through 1984	9,106,091	.....
	9,193,194	10,486,198
	54,186,025	50,330,883
Emergency fund (no year)	10,000,000	10,000,000
TOTAL SOURCE OF APPROPRIATIONS	$515,017,089	$497,465,100

The accompanying notes are an integral part of this statement.

Fiscal Years Ended September 30, 1985 and 1984

	1985	1984
APPLICATION OF APPROPRIATIONS:		
Operating funds:		
Expenditures from operating appropriations:		
Fiscal year 1980	$909,463	$886,097
Fiscal year 1981	.....	1,167,815
Fiscal year 1982	.....	2,326,651
Fiscal years—Merged	4,054,389	.....
Fiscal year 1983	1,642,554	29,591,407
Fiscal year 1984	29,914,041	326,034,746
Fiscal year 1985	346,513,683	.....
	383,034,130	360,006,716
Obligated operating funds:		
Fiscal year 1980	713,275	1,692,534
Fiscal year 1981	.....	3,558,134
Fiscal year 1982	.....	2,854,042
Fiscal years—Merged	1,729,337	.....
Fiscal year 1983	1,957,813	3,887,554
Fiscal year 1984	3,197,827	34,192,800
Fiscal year 1985	35,759,615	.....
	43,357,867	46,185,064
Unobligated operating funds lapsed	24,439,067	30,942,437
	450,831,064	437,134,217
Capital funds:		
Expenditures from capital appropriations:		
Fiscal year 1980	68,453	229,106
Fiscal years 1981 through 1984	.....	21,115,752
Fiscal years 1981 through 1985	29,511,880	.....
	29,580,333	21,344,858
Obligated capital funds:		
Fiscal year 1980	124,574	159,269
Fiscal years 1981 through 1984	.....	19,633,562
Fiscal years 1981 through 1985	15,107,899	.....
	15,232,473	19,792,831
Unobligated capital funds (no year):		
Fiscal year 1980	53,346	87,103
Fiscal years 1981 through 1984	.....	9,106,091
Fiscal years 1981 through 1985	9,319,873	.....
	9,373,219	9,193,194
	54,186,025	50,330,883
Unobligated emergency fund (no year)	10,000,000	10,000,000
TOTAL APPLICATION OF APPROPRIATIONS	$515,017,089	$497,465,100

The accompanying notes are an integral part of this statement.

Table 6.—Statement of Property, Plant and Equipment
September 30, 1985 and 1984

	Estimated service life	1985		1984	
		Cost	Depreciation and valuation allowances	Cost	Depreciation and valuation allowances
Titles and treaty rights	40 years	$14,728,889	$4,510,723	$14,728,889	$4,142,501
Interest during construction	.....	50,892,311	50,892,311	50,892,311	50,892,311
Canal excavation, fills and embankments	15-100 years	347,536,452	106,030,626	347,536,452	97,504,007
Canal structures and equipment	4-100 years	240,486,121	115,524,805	227,921,383	111,597,988
Supporting and general facilities	5-100 years	154,169,752	96,534,802	163,216,450	102,770,199
Minor items of plant and equipment	.....	10,569,651	10,569,650	10,339,272	10,339,272
Facilities held for future use	15-100 years	2,858,777	2,450,779	2,915,933	2,760,398
Plant additions in progress	.....	35,302,057	.....	30,855,313	.....
Suspended construction projects	.....	40,145,798	40,145,798	40,145,798	40,145,798
TOTAL		$896,689,808	$426,669,494	$888,551,801	$420,152,474

The accompanying notes are an integral part of this statement.

NOTES TO FINANCIAL STATEMENTS

1. Summary of Significant Accounting Policies.

The Comptroller General of the United States approved the Accounting Principles and Standards Statement of the Panama Canal Commission in his letter dated September 14, 1982. A summary of significant accounting policies follows:

a. *Accounting and reporting.* As required by section 1311(a) of the Panama Canal Act of 1979, hereinafter referred to as the Act, the accounts of the Commission are maintained pursuant to the Accounting and Auditing Act of 1950. This requires that the principles, standards and related requirements be met, as prescribed by the Comptroller General of the United States, after consulting with the Secretary of the Treasury and the Director of the Office of Management and Budget concerning their accounting, financial reporting and budgetary needs. The Accounting and Auditing Act of 1950 also requires that the accounts be maintained on an accrual basis.

b. *Cost recovery.* As required by section 1341(e)(1) of the Act, the application of generally accepted accounting principles to the Panama Canal Commission, a United States Government agency comparable to a rate-regulated public utility, determines the manner in which costs are recognized. The basis for tolls rates is prescribed in section 1602(b) of the Act. This section of the Act, known as the "statutory tolls formula," provides that:

> "Tolls shall be prescribed at rates calculated to produce revenues to cover as nearly as practicable all costs of maintaining and operating the Panama Canal, together with the facilities and appurtenances related thereto, including unrecovered costs incurred on or after the effective date of this Act, interest, depreciation, payments to the Republic of Panama pursuant to paragraph 5 of Article III and paragraph 4(a) and (b) of Article XIII of the Panama Canal Treaty of 1977, and capital for plant replacement, expansion, and improvements. Tolls shall not be prescribed at rates calculated to produce revenues sufficient to cover payments to the Republic of Panama pursuant to paragraph 4(c) of Article XIII of the Panama Canal Treaty of 1977."

Under this statutory tolls formula, any unrecovered costs are to be recovered from subsequent revenues. The amount for recovery from subsequent revenues is transferred from Invested Capital to an account within the Other Assets classification. Unrecovered costs are charged back to Invested Capital to the extent subsequent annual revenues exceed annual costs.

c. *Property, plant and equipment.* Property, plant and equipment are recorded at cost, or if acquired from another United States Government

agency, at the value determined by the Director of the Office of Management and Budget. Administrative and other related general expenses are recovered currently and therefore not capitalized. The cost of minor items of property, plant and equipment is charged to expense as incurred.

d. *Advances for capital.* A portion of tolls in excess of depreciation recoveries may be programmed annually by the Board of Directors for plant replacement, expansion, or improvements. Such funds are considered capital advances from Canal users. Upon utilization, these advances are amortized through an offset to depreciation expense in an amount calculated to approximate the depreciation on assets acquired with such advances.

e. *Depreciation.* Property, plant and equipment are depreciated over their estimated service lives at rates computed using a straight-line method with additional annual depreciation, identified as composite, to provide for premature plant retirements.

The recurring costs of dredging the waterway are charged to expense. Non-recurring dredging costs for substantial improvements and betterments to the waterway are considered additions to plant and are capitalized and depreciated over their estimated service lives.

f. *Accounts receivable.* Uncollectible accounts receivable of the Panama Canal Commission are recognized as a reduction in revenue when written off. Any subsequent collections of Commission accounts receivable previously written off are recorded as revenue.

g. *Inventories.* Operating materials and supplies are stated at average cost, plus cost of transportation to the ultimate destination on the Isthmus of Panama. An allowance has been established to reflect the estimated cost of obsolete and excess stock.

h. *Retirement benefits.* Employer payments to the contributory United States Civil Service Retirement System and to the Republic of Panama Social Security System are charged to expense. The Commission has no liability for future payments to employees under these systems.

Non-United States citizen employees who retired from predecessor agencies prior to October 5, 1958, are not covered by the United States Civil Service Retirement System but do receive benefits under a separate annuity plan. Payments made under this annuity plan are recorded as a current year expense. The liability of the Commission for future annuity payments to these former employees or their eligible widows is reflected in the balance sheet as Retirement benefits to certain former employees of predecessor agencies and an equal amount is recorded as a Deferred charge.

As required by the Act, the Panama Canal Commission is liable for the increase in the unfunded liability of the United States Civil Service Retirement Fund which is attributable to benefits payable from that fund to, or on behalf of, employees and their survivors under the early retirement provisions of the Act. The annual installment to liquidate the increased liability is determined by the Office of Personnel Management.

i. *Reserve for lock overhauls.* A reserve is provided through an annual charge to expense to cover the estimated cost of periodic lock overhauls.

j. *Reserve for casualty losses.* A reserve is provided through an annual charge to expense to cover the estimated cost of marine accidents and other casualty losses.

k. *Reserve for floating equipment repair.* A reserve is provided through an annual charge to expense to cover the estimated cost of repairs to major floating equipment.

l. *Housing use rights.* No monetary value is assigned to the rights granted to the United States Government by the Republic of Panama to use Canal Area housing transferred to the Republic of Panama under the terms of the Panama Canal Treaty of 1977. The cost to manage, maintain and provide livability improvements to these quarters is charged to expense. Rental income is included in other revenues.

2. Plant Valuation Allowances.

At July 1, 1951, certain valuation allowances for property, plant and equipment transferred from the Panama Canal (agency) to the Panama Canal Company and the Canal Zone Government were established, to reduce to usable value the costs of the assets transferred. At October 1, 1979, such valuation allowances as were applicable to the assets transferred from the Panama Canal Company and the Canal Zone Government to the Panama Canal Commission were carried forward and are comprised of: (a) $4.8 million at September 30, 1985, and $5.5 million at September 30, 1984, to reduce to usable value the cost of property, plant and equipment transferred; (b) $50.9 million at September 30, 1985, and 1984, to offset interest costs imputed for the original Canal construction period; and (c) $42.5 million at September 30, 1985, and $42.8 million at September 30, 1984, to offset the cost of defense facilities and suspended construction projects, the latter being principally the partial construction of a third set of locks abandoned in the early part of World War II.

Property, plant and equipment offset by valuation allowances, when fully or partially reactivated, are reinstated by a reduction in the valuation allowance and by an increase to the non-interest-bearing investment of the United States Government in proportion to the value to the Commission of the reactivated asset.

3. Depreciation as a Percentage of Average Cost of Plant.

The provision for depreciation, expressed as a percentage of average cost of depreciable plant exclusive of valuation allowances, was 2.53% for fiscal year 1985 and 2.63% for fiscal year 1984.

4. Cash and Fund Balances.

As of September 30, 1985, the cash and fund balances of $79,738,565 are made up of $74,572,119 on deposit in the United States Treasury, $1,509,718 on deposit in commercial banks, and $3,656,728 on hand. Of the total, $77,963,559 is comprised of current budgetary accounts which include appropriated funds for operations, capital and the emergency fund.

As of September 30, 1984, the cash and fund balances of $86,761,243 were made up of $83,845,968 on deposit in the United States Treasury, $1,209,019 on deposit in commercial banks, and $1,706,256 on hand. Of the total, $85,171,089 was comprised of current budgetary accounts which included appropriated funds for operations, capital and the emergency fund.

The emergency fund represents the amount on deposit in the United States Treasury which is to be used ". . . to defray emergency expenditures and to insure the continuous efficient and safe operation of the Panama Canal when funds appropriated for the operation and maintenance of the Canal prove insufficient for such purposes . . . ."

The postal fund consists of outstanding money orders, postal savings and interest accrued thereon. This fund will remain available until liquidated. The trust fund primarily includes deposits made by customers for future tolls and other service payments.

5. Panama Canal Commission Fund.

The Panama Canal Commission Fund as established by the Panama Canal Act of 1979 (Public Law No. 96-70) is made up of receipts deposited in the United States Treasury less appropriation warrants issued during the fiscal year. The balance in this account, $180.8 million as of September 30, 1985, and $171.2 million as of September 30, 1984, is available for future appropriations.

Section 1302 of the Panama Canal Act of 1979 (Public Law No. 96-70) provides that all appropriations necessary to operate the Panama Canal shall be issued from the Panama Canal Commission Fund. The appropriations for fiscal year 1980 were issued to the Commission from the General Fund of the United States Treasury. The status of the amount still owed to the General Fund of the United States Treasury for fiscal year 1980 is as follows:

	Millions of Dollars	
Operating Appropriation	$427.2	
Capital Appropriation	36.6	$463.8
Repaid to General Fund (07/81)	(350.0)	
Repaid to General Fund (12/82)	(28.2)	(378.2)
Amount owed General Fund of U.S. Treasury as of September 30, 1985		$ 85.6

6. Accounting Changes.

a. In fiscal year 1984 a new method was adopted for amortizing advances for capital disbursements based on the flow of costs from construction work in progress. Disbursements are amortized in proportion to depreciation costs arising from completed projects transferred from construction work in progress.

b. During fiscal year 1984, a reserve was established for floating equipment repairs similar to the reserves now in existence for lock overhauls and marine accidents. A one-time charge to expense of $2.5

million was made to establish the reserve. The annual accrual will be reviewed and adjusted as appropriate.

c. Effective with fiscal year 1984, there was a change in the method of applying the accounting policy for certain inventories. Inventories of manufactured materials and supplies and water system chemicals valued at $1.3 million were written off by a charge to operations in fiscal year 1984.

d. During fiscal year 1985, the Commission virtually eliminated transfers of costs from performers of services to requesters of these services to simplify and streamline accounting for costs. Additionally, in fiscal year 1985, the operating expenses for storehouse, transportation, sanitation and grounds management services and the employee fitness program were reclassified in order to reflect more closely the Commission's functional alignment of costs. For comparability, fiscal year 1984 expenses were recast to reflect the same cost alignment as fiscal year 1985. In this connection, storehouse expenses of $6,543,628 and transportation expenses of $1,068,906 were combined and restated under supply and logistics. Sanitation and grounds maintenance services expenses of $1,078,835 were combined with general repair, engineering and maintenance services, and expenses for the employee fitness program of $888,251 were combined with other. These expenses were originally classified in fiscal year 1984 as follows: storehouse expenses were included in general repair, engineering and maintenance services; transportation expenses with utilities; sanitation and ground maintenance services with other; and employee fitness program costs with housing operations.

7. Other Receivables.

Other receivables represent services provided in connection with marine accidents for which the vessel is considered to be responsible awaiting final settlement. This amount is also included in the computation of estimated liabilities established for marine accident claims.

8. Unrecovered Costs Due from Subsequent Revenues.

Pursuant to the provisions of section 1341(e) and section 1602(b) of the Panama Canal Act of 1979 (Public Law No. 96-70) the net loss of $4.1 million from fiscal year 1983 operations was recovered from fiscal year 1984 operating revenue.

9. Interest-Bearing Investment of the United States Government.

The interest-bearing investment of the United States Government in the Panama Canal is determined based on section 1603(a) of the Panama Canal Act of 1979. The interest-bearing investment of the United States Government at September 30, 1985, and September 30, 1984, was determined as follows:

	Millions of Dollars	
Investment at September 30, 1983		$108.9
Fiscal year 1984 transactions:		
Disbursements	$381.4	
Receipts	(406.0)	
Net property transfers	(0.3)	
Net change		(24.9)
Investment at September 30, 1984		84.0
Fiscal year 1985 transactions:		
Disbursements	412.6	
Receipts	(416.1)	
Net property transfers	(3.6)	
Net change		(7.1)
Investment at September 30, 1985		$76.9

10. Marine Accident Claims.

Liabilities arising from marine accident claims are divided into fund and non-fund categories. The fund category is made up of the following:

a. Accidents which occurred prior to October 1, 1979.

b. Accidents which occurred within the locks after September 30, 1979.

c. Accidents which occurred outside the locks after September 30, 1979, for which the claim or estimated liability is $120,000 or less per ship per accident.

Settlement of liabilities for marine accidents which occurred outside the locks where the claim exceeds $120,000 requires specific Congressional approval. Until Congressional action is completed, liabilities for these accidents are booked as non-fund. Public Law 99-209, dated December 23, 1985, granted authority to the Commission to adjust and pay these claims. At September 30, 1985, such claims which have accrued since October 1, 1979, totaled $23.1 million. The authority under Public Law 99-209 is retroactive to October 1, 1979; however, any payments will require appropriations action by the Congress.

11. Advances for Capital—Transit Booking System Fees.

During fiscal year 1982, with approval of the Board of Directors, the Commission tested a system whereby shippers, for a fee, could make an advance reservation for vessel transit. The system was activated in fiscal year 1983 and generated funds of $5.8 million in fiscal year 1985 and $4.9 million in fiscal year 1984. Such funds are considered capital advances from Canal users. By direction of the Board of Directors, these fees are set aside for capital improvements.

12. Contingent Liabilities and Commitments.

In addition to recorded liabilities, the estimated maximum contingent liability which could result from pending claims and lawsuits was $3.4 million at September 30, 1985, and September 30, 1984. In the opinion of management and Commission counsel, these pending claims and lawsuits will be resolved with no material adverse effect on the financial condition of the agency.

Commitments under uncompleted construction contracts and unfilled purchase orders amounted to $25.9 million at September 30, 1985, and

$29.7 million at September 30, 1984. Of these amounts $0.2 million in unfilled purchase orders were prepaid as of September 30, 1985, and $0.1 million at September 30, 1984. In addition, the Panama Canal Commission is liable for an indeterminable amount with respect to death and disability payments under the Federal Employees' Compensation Act.

Cash and negotiable securities of a kind acceptable by the United States Government in the amount of $7.3 million were held by United States depositories designated by the Panama Canal Commission at September 30, 1985, and $6.3 million at September 30, 1984, to guarantee payment by third parties of their obligations.

The Panama Canal Treaty of 1977, Article XIII, paragraph 4(c), provides that an annual amount of up to $10 million per year be paid to the Government of Panama out of operating revenues to the extent that such revenues exceed expenditures. Payment to the Government of Panama is subject to the limitations set forth in section 1341(e) of the Panama Canal Act of 1979 (Public Law No. 96-70). In the event operating revenues in any year do not produce a surplus sufficient to cover this payment, the unpaid balance shall be paid from operating surpluses in future years up to the amount available from these surpluses. As of September 30, 1985, the balance contingently payable to the Government of Panama amounts to $53.1 million. As of September 30, 1984, the balance contingently payable to the Government of Panama amounted to $44.2 million.

13. Treaty Impact.

On September 7, 1977, the United States of America and the Republic of Panama signed the Panama Canal Treaty of 1977. The Treaty provided for the establishment of the Panama Canal Commission on October 1, 1979, to assume certain operational responsibilities for the Canal until December 31, 1999. When the Treaty terminates on December 31, 1999, the Republic of Panama shall assume total responsibility for the management, operation, and maintenance of the Panama Canal, which shall be turned over in operating condition and free of liens and debts, except as the two Parties may otherwise agree. The effects of these long-range requirements are not considered in the financial statements.

Chapter VI

STATISTICAL TABLES

Shipping Statistics

Table 1.—Panama Canal Traffic—Fiscal Years 1976 Through 1985

Fiscal year	Total traffic			Traffic assessed tolls on net tonnage basis		Traffic assessed tolls on displacement tonnage basis	
	Number of transits	Tolls	Long tons of cargo	Number of transits	Panama Canal net tonnage	Number of transits	Displacement tonnage
OCEANGOING COMMERCIAL TRAFFIC [1]							
1976	12,157	$134,204,402	117,212,266	12,123	127,778,919	34	131,258
*TQ	3,037	35,272,300	30,888,300	3,031	33,686,757	6	23,205
1977	11,896	163,826,571	122,978,785	11,868	133,353,132	28	108,642
1978	12,677	194,773,111	142,518,288	12,647	156,907,260	30	109,798
1979	12,935	208,376,741	154,110,866	12,902	167,470,601	33	136,600
1980	13,507	291,838,590	167,214,935	13,476	182,063,175	31	137,593
1981	13,884	301,762,600	171,221,762	13,847	188,656,491	37	111,418
1982	14,009	323,958,366	185,452,332	13,976	202,884,207	33	129,684
1983	11,707	285,983,805	145,590,759	11,668	169,503,918	39	132,431
1984	11,230	286,677,844	140,470,818	11,199	162,335,342	31	116,335
1985	11,515	298,497,802	138,643,243	11,498	168,940,927	17	86,623
OCEANGOING U.S. GOVERNMENT TRAFFIC [1]							
1976	85	$727,983	177,508	68	641,137	17	87,728
*TQ	18	166,779	55,383	13	118,300	5	65,025
1977	88	805,983	212,677	59	577,483	29	165,148
1978	103	889,093	291,115	70	589,085	33	214,145
1979	111	1,054,169	357,482	80	726,755	31	207,640
1980	101	1,515,326	396,481	73	844,748	28	217,055
1981	89	1,241,442	301,776	68	705,936	21	143,121
1982	110	1,546,746	285,451	67	794,282	43	309,206
1983	125	1,721,925	354,873	77	812,840	48	350,699
1984	137	2,388,272	329,607	88	1,131,865	49	410,682
1985	129	2,223,938	259,524	85	1,148,311	44	248,967
FREE OCEANGOING TRAFFIC [1] [2]							
1976	38	.....	5,635	17	22,854	21	41,655
*TQ	4	.....	.....	3	1,474	1	1,800
1977	13	.....	380	8	21,252	5	10,380
1978	5	.....	.....	4	3,789	1	1,100
1979	10	.....	1	8	4,527	2	2,194
1980	6	.....	.....	3	1,686	3	4,810
1981	11	.....	.....	4	2,248	7	8,544
1982	23	.....	.....	9	5,010	14	21,903
1983	14	.....	2,504	9	9,119	5	5,986
1984	17	.....	.....	4	2,224	13	21,025
1985	10	.....	20	4	2,731	6	8,771
TOTAL OCEANGOING TRAFFIC [1]							
1976	12,280	$134,932,385	117,395,409	12,208	128,442,910	72	260,641
*TQ	3,059	35,439,079	30,943,683	3,047	33,806,531	12	90,030
1977	11,997	164,632,554	123,191,842	11,935	133,951,867	62	284,170
1978	12,785	195,662,204	142,809,403	12,721	157,500,134	64	325,043
1979	13,056	209,430,910	154,468,349	12,990	168,201,883	66	346,434
1980	13,614	293,353,916	167,611,416	13,552	182,909,609	62	359,458
1981	13,984	303,004,042	171,523,538	13,919	189,364,675	65	263,083
1982	14,142	325,505,112	185,737,783	14,052	203,683,499	90	460,793
1983	11,846	287,705,730	145,948,136	11,754	170,325,877	92	489,116
1984	11,384	289,066,116	140,800,425	11,291	163,469,431	93	548,042
1985	11,654	300,721,740	138,902,787	11,587	170,091,969	67	344,361

Table 1.—Panama Canal Traffic—Fiscal Years 1976 Through 1985 (Continued)

Fiscal year	Total traffic: Number of transits	Total traffic: Tolls	Total traffic: Long tons of cargo	Traffic assessed tolls on net tonnage basis: Number of transits	Traffic assessed tolls on net tonnage basis: Panama Canal net tonnage	Traffic assessed tolls on displacement tonnage basis: Number of transits	Traffic assessed tolls on displacement tonnage basis: Displacement tonnage
SMALL COMMERCIAL TRAFFIC [3]							
1976	745	$49,314	6,866	737	50,281	8	1,229
*TQ	204	24,785	1,236	204	15,389	....	.....
1977	759	39,960	2,820	751	48,717	8	1,108
1978	792	63,526	6,962	785	57,827	7	1,040
1979	936	76,591	7,718	934	69,229	2	94
1980	788	74,898	787	787	52,052	1	57
1981	791	65,604	1,355	788	44,962	3	279
1982	830	73,228	928	826	50,399	4	315
1983	810	73,887	669	810	48,033	..	.....
1984	802	76,921	652	800	48,008	2	145
1985	793	73,710	468	792	45,694	1	110
SMALL U.S. GOVERNMENT TRAFFIC [3]							
1976	136	$6,168	.....	18	1,159	118	8,019
*TQ	36	1,613	23	4	481	32	2,144
1977	277	12,851	.....	22	953	255	16,769
1978	187	9,504	8	25	1,446	162	10,742
1979	315	14,375	9	48	2,865	267	15,519
1980	276	15,129	.....	29	1,357	247	14,313
1981	225	10,712	2	16	751	209	10,431
1982	241	10,757	.....	12	415	229	10,973
1983	242	11,406	5	12	332	230	11,177
1984	241	11,998	.....	8	336	233	11,282
1985	273	12,464	.....	15	773	258	11,113
SMALL FREE TRAFFIC [2 3]							
1976	40	.....	50	31	1,484	9	701
*TQ	14	.....	.....	14	944	....	.....
1977	54	.....	10	50	2,840	4	466
1978	44	.....	20	42	2,986	2	72
1979	55	.....	3	47	2,160	8	632
1980	47	.....	.....	41	2,317	6	560
1981	50	.....	.....	41	2,613	9	1,012
1982	58	.....	70	40	2,803	18	1,172
1983	56	.....	8	39	2,321	17	2,010
1984	96	.....	59	86	4,637	10	1,360
1985	46	.....	3	32	1,721	14	1,103
TOTAL PANAMA CANAL TRAFFIC							
1976	13,201	$134,987,867	117,402,325	12,994	128,495,834	207	270,590
*TQ	3,313	35,465,477	30,944,942	3,269	33,823,345	44	92,174
1977	13,087	164,685,365	123,194,672	12,758	134,004,377	329	302,513
1978	13,808	195,735,234	142,816,393	13,573	157,562,393	235	336,897
1979	14,362	209,521,876	154,476,079	14,019	168,276,137	343	362,679
1980	14,725	293,443,943	167,612,203	14,409	182,965,335	316	374,388
1981	15,050	303,080,358	171,524,895	14,764	189,413,001	286	274,805
1982	15,271	325,589,097	185,738,781	14,930	203,737,116	341	473,253
1983	12,954	287,791,023	145,948,818	12,615	170,376,563	339	502,303
1984	12,523	289,155,035	140,801,136	12,185	163,522,412	338	560,829
1985	12,766	300,807,914	138,903,258	12,426	170,140,157	340	356,687

[1] Oceangoing traffic includes ships of 300 net tons and over, Panama Canal measurement, or of 500 displacement tons and over on vessels paying tolls on displacement basis (dredges, warships, etc.).

[2] Free traffic includes ships of the Colombian and Panamanian Governments and ships transiting for repair by the Commission.

[3] Includes vessels under 300 net tons, Panama Canal measurement (or under 500 displacement tons for vessels assessed on displacement tonnage).

* Effective 10-1-76 the fiscal year for all U.S. Government agencies was changed from July 1 through June 30, to October 1 through September 30. For continuity purposes, July, August, and September 1976 were designated the Transition Quarter.

Table 2.—Oceangoing Commercial Traffic by Months—Fiscal Years 1985 and 1984

	Number of Transits		Panama Canal Net Tonnage		Long Tons of Cargo		Tolls	
	1984-85	1983-84	1984-85	1983-84	1984-85	1983-84	1984-85	1983-84
October	968	901	14,116,692	12,851,296	12,071,648	10,983,458	$ 25,040,510	$ 22,706,763
November	945	871	13,641,613	12,842,014	11,503,330	10,938,373	24,142,697	22,570,931
December	939	915	14,017,821	13,066,789	11,758,781	10,737,399	24,888,529	22,960,793
January	929	913	13,868,162	13,552,761	11,202,166	11,402,597	24,392,475	23,970,069
February	881	898	13,093,376	12,854,233	10,818,565	11,084,966	23,231,308	22,680,013
March	1,009	984	14,113,353	13,705,979	11,637,624	11,599,809	24,913,356	24,204,031
April	971	963	13,867,114	13,295,263	11,566,582	11,342,269	24,556,398	23,497,029
May	1,032	996	15,017,869	14,377,680	11,586,452	12,354,653	26,471,059	25,377,511
June	971	950	13,946 877	14,056,164	11,029,923	12,139,019	24,651,356	24,830,193
July	995	934	14,989,105	13,488,423	12,360,590	12,297,190	26,362,702	23,995,141
August	947	990	14,415,454	14,642,847	11,524,275	12,991,960	25,364 335	25,808,306
September	928	915	13,853,491	13,601,893	11,684,522	12,497,910	24,483,076	24,077,064
Total	11,515	11,230	168,940,927	162,335,342	138,643,243	140,470,818	$298,497,802	$286,677,844
Average per month	960	936	14,078,411	13,527,945	11,553,604	11,705,902	$24,874,817	$23,889,820

NOTE: The above includes only commercial vessels of 300 net tons and over, Panama Canal measurement, or of 500 displacement tons and over on vessels paying tolls on a displacement tonnage basis. Statistics on these vessels, except as relates to displacement tonnage, have been included in the table above.

Table 3.—Canal Traffic [1] by Flag of Vessel—Fiscal Year 1985

Flag	Number of transits	Measured tonnage: Panama Canal net	Measured tonnage: Registered gross [2]	Tolls	Long tons of cargo
Algeria	1	15,541	18,385	$ 22,690	.....
Argentina	2	16,504	18,634	30,202	1,419
Australia	5	78,031	100,052	142,797	53,396
Austria	3	68,331	81,222	125,046	82,811
Bahamas	51	710,832	836,047	1,265,472	539,149
Belgium	130	1,546,018	1,666,681	2,793,797	1,138,817
Bermuda	13	122,750	151,009	209,697	85,921
Brazil	29	531,077	664,827	969,771	631,734
Bulgaria	9	55,784	66,021	102,085	32,367
Canada	6	41,551	56,510	75,371	68,352
Cayman Islands	13	123,387	76,261	213,480	49,620
Chile	82	838,671	948,618	1,494,733	749,824
Colombia	158	2,077,909	2,186,917	3,763,531	1,419,456
Costa Rica	6	5,682	5,952	10,398	2,829
Cuba	140	760,131	893,139	1,368,890	639,956
Cyprus	124	1,151,042	1,246,235	2,051,508	1,127,480
Czechoslovakia	1	8,811	10,416	16,124	13,892
Denmark	240	4,904,964	6,101,056	8,812,431	3,156,542
East Germany	26	168,552	195,864	296,700	39,644
Ecuador	500	4,263,189	4,914,573	7,367,564	2,675,272
Egypt	2	37,524	45,230	68,669	72,780
Faroes	3	3,818	1,500	6,987	1,488
Finland	18	186,954	229,423	327,208	159,802
France	66	1,079,907	885,850	1,995,218	747,794
Ghana	3	29,903	39,012	54,722	30,718
Greece	748	11,380,341	13,009,185	20,073,080	13,951,540
Honduras	18	83,279	102,859	140,690	23,886
Hong Kong	25	450,502	523,250	818,207	553,883
Iceland	1	4,092	4,808	7,488	5,413
India	23	482,776	577,010	869,134	678,919
Indonesia	3	27,171	29,544	49,723	24,400
Israel	70	1,413,888	1,866,480	2,587,415	946,443
Italy	76	1,008,497	1,261,444	1,833,490	727,190
Japan	1,142	22,852,603	18,243,365	39,279,434	10,080,593
Jordan	2	20,478	25,948	37,475	35,136
Kuwait	6	75,934	95,274	138,959	73,226
Liberia	1,302	25,360,337	25,320,131	44,621,901	24,082,801
Malaysia	22	397,304	470,128	727,066	652,072
Malta	17	167,064	243,163	302,505	184,271
Mauritania	1	580	350	847	.....
Mexico	110	1,983,978	2,442,822	3,297,492	1,411,365
Morocco	5	59,105	70,996	107,033	93,510
Netherlands	226	2,229,155	2,444,214	3,959,891	1,536,004
New Zealand	2	45,499	53,267	83,263	25,444
Nicaragua	11	24,753	20,021	41,661	9,331
Norway	305	5,516,206	5,961,386	9,779,604	4,994,595
Panama	1,971	26,754,689	26,732,609	47,084,630	23,131,882
People's Republic of China	99	1,839,808	2,070,176	3,364,935	2,005,746
Peru	166	1,561,955	1,874,767	2,800,169	1,672,145
Philippines	197	3,011,227	3,024,781	5,382,559	3,388,605
Poland	81	566,011	614,987	1,027,574	300,908
Portugal	1	945	1,127	1,729	591
Rumania	1	10,303	11,359	18,854	5,275
St. Vincent	2	34,210	39,814	62,604	55,161
Samoa	2	18,398	21,100	33,668	12,682
Saudi Arabia	5	52,035	43,756	92,773	29,239
Singapore	215	3,959,437	3,800,821	7,034,180	3,568,606
Somali Republic	3	27,945	31,629	51,139	21,266
South Korea	154	2,465,355	2,873,155	4,480,586	3,420,139
Spain	122	655,448	668,218	1,193,787	499,897
Sri Lanka	18	226,348	281,049	404,060	169,038
Sweden	109	2,693,815	2,160,673	4,870,481	1,077,479
Switzerland	73	747,970	892,692	1,365,466	424,154
Taiwan	168	4,099,840	5,003,859	7,450,775	3,216,562
Thailand	1	9,536	12,649	17,451	1,771
Turkey	2	7,774	9,222	12,788	6,435
United Arab Emirates	2	59,374	68,480	97,670	51,145
United Kingdom	503	8,931,608	10,620,238	16,052,118	8,770,978
United States	802	9,429,079	10,234,551	16,558,789	6,733,044
Uruguay	7	27,376	30,331	47,148	32,027
U.S.S.R.	561	4,660,894	5,085,512	8,196,388	2,735,703
Vanuatu	1	442	299	809	25
Venezuela	119	275,882	357,667	512,715	222,880
Vietnam	1	7,906	9,123	14,468	8,414
West Germany	285	3,301,832	3,885,973	5,973,763	2,411,218
Yugoslavia	98	1,093,080	1,301,820	1,947,277	1,059,143
Total	11,515	168,940,927	175,967,516	$298,497,802	138,643,243

[1] Includes only commercial vessels of 300 net tons and over, Panama Canal measurement, or of 500 displacement tons and over on vessels paying tolls on displacement basis (dredges, warships, etc.).

[2] Includes 8 transits where no registered tonnage was reported.

Table 3.—Canal Traffic[1] by Flag of Vessel—Fiscal Year 1985—Continued

NOTE.—In Canal traffic statistics, foreign naval vessels such as transports, supply ships, tankers, etc., with a measurement of 300 net tons (Panama Canal measurement) and over, and vessels of war, dredges, etc., with a displacement of 500 tons and over, are classified as oceangoing commercial vessels. Statistics on these vessels, except as related to displacement tonnage, have been included in the table above. As displacement tonnage cannot be combined with net tonnage, the following table shows statistics covering 17 vessels which transited the Canal during fiscal year 1985 and paid tolls on displacement tonnage.

Flag	*Type*	*Number of transits*	*Displacement tonnage*	*Tolls*
Chile	Naval	1	1,515	$1,545
Ecuador	Naval	1	1,000	1,020
France	Naval	4	24,494	24,984
Mexico	Naval	1	1,733	1,768
People's Republic of China	Dredge	1	17,530	17,881
Peru	Naval	1	11,564	11,795
Spain	Naval	1	3,750	3,825
United Kingdom	Naval	2	6,100	6,222
United States	Dredge	1	3,650	3,723
Venezuela	Naval	4	15,287	15,593
Total		17	86,623	$88,355

Statistics compiled by Office of Executive Planning.

Table 4.—Classification of Canal Traffic[1] by Type of Vessel—Fiscal Year 1985

Type of Vessel	Laden			Ballast			Grand Total
	Atlantic to Atlantic	Pacific to Pacific	Total	Atlantic to Atlantic	Pacific to Pacific	Total	
CARGO AND CARGO/PASSENGER SHIPS:							
Bulk Carriers:							
Number of transits	1,557	1,623	3,180	428	113	541	3,721
Panama Canal net tonnage (thousands)	31,906	32,958	64,864	13,189	1,595	14,785	79,649
Tolls (thousands of dollars)	$58,397	$60,313	$118,710	$19,257	$2,329	$21,585	$140,295
Cargo (thousands of long tons)	45,220	29,508	74,728	.....	.....	.....	74,728
Container Cargo Ships:							
Number of transits	759	866	1,625	13	13	26	1,651
Panama Canal net tonnage (thousands)	13,869	17,848	31,717	147	107	254	31,972
Tolls (thousands of dollars)	$25,381	$32,662	$58,043	$215	$156	$371	$58,415
Cargo (thousands of long tons)	8,733	11,214	19,947	.....	.....	.....	19,947
General Cargo Ships:							
Number of transits	869	849	1,718	95	94	189	1,907
Panama Canal net tonnage (thousands)	6,316	6,572	12,888	601	349	950	13,838
Tolls (thousands of dollars)	$11,558	$12,027	$23,585	$878	$510	1,387	$24,972
Cargo (thousands of long tons)	5,076	5,074	10,150	.....	.....	.....	10,150
Passenger Ships: [2]							
Number of transits	100	61	161	2	2	4	165
Panama Canal net tonnage (thousands)	1,658	970	2,628	20	31	51	2,678
Tolls (thousands of dollars)	$3,033	$1,775	$4,808	$29	$45	$74	$4,883
Cargo (thousands of long tons)	.....	4	4	.....	.....	.....	4
Refrigerated Cargo Ships:							
Number of transits	522	938	1,460	407	38	445	1,905
Panama Canal net tonnage (thousands)	2,847	4,948	7,795	2,194	154	2,348	10,143
Tolls (thousands of dollars)	$5,211	$9,054	$14,265	$3,203	$226	$3,428	$17,693
Cargo (thousands of long tons)	446	2,370	2,816	.....	.....	.....	2,816
Tank Ships:							
Number of transits	653	549	1,202	286	289	575	1,777
Panama Canal net tonnage (thousands)	9,283	9,476	18,759	6,227	4,073	10,300	29,059
Tolls (thousands of dollars)	$16,988	$17,341	$34,329	$9,092	$5,946	$15,038	$49,367
Cargo (thousands of long tons)	14,317	15,967	30,285	.....	.....	.....	30,285

OTHER TYPE SHIPS:							
Naval Vessels:							
Number of transits	.....	.....	.....	6	9	15	15
Displacement tonnage (thousands)	.....	.....	.....	27	38	65	65
Tolls (thousands of dollars)	.....	.....	.....	$28	$39	$67	$67
Cargo (thousands of long tons)	.....	.....	.....	.....	.....	.....	.....
Barges, Dredges, Drydocks, Tugs, etc.:							
Number of transits	146	122	268	60	46	106	374
Panama Canal net tonnage (thousands)	621	585	1,206	237	159	396	1,601
Displacement tonnage (thousands)	.....	.....	.....	18	4	21	21
Tolls (thousands of dollars)	$1,137	$1,070	$2,207	$363	$236	$599	$2,806
Cargo (thousands of long tons)	360	355	715	.....	.....	.....	715
SUMMARY:							
Total Cargo and Cargo/Passenger Ships:							
Number of transits	4,460	4,886	9,346	1,231	549	1,780	11,126
Panama Canal net tonnage (thousands)	65,880	72,772	138,651	22,379	6,309	28,688	167,340
Tolls (thousands of dollars)	$120,568	$133,172	$253,740	$32,673	$9,212	$41,885	$295,625
Cargo (thousands of long tons)	73,791	64,138	137,929	.....	.....	.....	137,929
Total Other Type Ships:							
Number of transits	146	122	268	66	55	121	389
Panama Canal net tonnage (thousands)	621	585	1,206	237	159	396	1,601
Displacement tonnage (thousands)	.....	.....	.....	45	42	87	87
Tolls (thousands of dollars)	$1,137	$1,070	$2,207	$391	$275	$666	$2,873
Cargo (thousands of long tons)	360	355	715	.....	.....	.....	715
Grand Total Ships:							
Number of transits	4,606	5,008	9,614	1,297	604	1,901	11,515
Panama Canal net tonnage (thousands)	66,501	73,356	139,857	22,616	6,468	29,084	168,941
Displacement tonnage (thousands)	.....	.....	.....	45	42	87	87
Tolls (thousands of dollars)	$121,705	$134,242	$255,947	$33,064	$9,487	$42,551	$298,498
Cargo (thousands of long tons)	74,151	64,492	138,644	.....	.....	.....	138,644

[1] Includes only commercial vessels of 300 net tons and over (Panama Canal measurement) for vessels paying tolls on net tonnage basis, or of 500 displacement tons and over for vessels paying on displacement tonnage.

[2] Vessels certificated for more than 12 passengers.

Table 5.—Laden and Ballast Traffic by Flag of Vessel
Fiscal Year 1985

	Laden			Ballast		
	Number of transits	Panama Canal net tonnage	Tolls	Number of transits	Panama Canal net tonnage	Tolls
Algeria	.....	.....	.....	1	15,541	$22,690
Argentina	2	16,504	$ 30,202	.....	.....	.....
Australia	5	78,031	142,797	.....	.....	.....
Austria	3	68,331	125,046	.....	.....	.....
Bahamas	40	615,291	1,125,983	11	95,541	139,490
Belgium	122	1,450,299	2,654,047	8	95,719	139,750
Bermuda	11	82,385	150,765	2	40,365	58,933
Brazil	28	525,401	961,484	1	5,676	8,287
Bulgaria	9	55,784	102,085	.....	.....	.....
Canada	4	39,748	72,739	2	1,803	2,632
Cayman Islands	9	103,609	189,604	4	19,778	28,876
Chile	71	726,292	1,329,114	10	112,379	164,073
Colombia	143	1,972,388	3,609,470	15	105,521	154,061
Costa Rica	6	5,682	10,398	.....	.....	.....
Cuba	124	700,267	1,281,489	16	59,864	87,401
Cyprus	107	1,002,667	1,834,881	17	148,375	216,628
Czechoslovakia	1	8,811	16,124	.....	.....	.....
Denmark	205	4,462,658	8,166,664	35	442,306	645,767
East Germany	20	136,795	250,335	6	31,757	46,365
Ecuador	399	3,087,266	5,649,697	100	1,175,923	1,716,848
Egypt	2	37,524	68,669	.....	.....	.....
Faroes	3	3,818	6,987	.....	.....	.....
Finland	15	146,636	268,344	3	40,318	58,864
France	60	1,063,703	1,946,576	2	16,204	23,658
Ghana	3	29,903	54,722	.....	.....	.....
Greece	630	9,345,357	17,102,003	118	2,034,984	2,971,077
Honduras	12	51,629	94,481	6	31,650	46,209
Hong Kong	23	433,714	793,697	2	16,788	24,510
Iceland	1	4,092	7,488	.....	.....	.....
India	21	444,003	812,525	2	38,773	56,609
Indonesia	3	27,171	49,723	.....	.....	.....
Israel	70	1,413,888	2,587,415	.....	.....	.....
Italy	73	975,904	1,785,904	3	32,593	47,586
Japan	871	15,985,496	29,253,458	271	6,867,107	10,025,976
Jordan	2	20,478	37,475	.....	.....	.....
Kuwait	6	75,934	138,959	.....	.....	.....
Liberia	1,081	20,498,090	37,523,021	221	4,862,247	7,098,881
Malaysia	22	397,304	727,066	.....	.....	.....
Malta	14	158,356	289,791	3	8,708	12,714
Mauritania	.....	.....	.....	1	580	847
Mexico	59	1,078,692	1,974,006	50	905,286	1,321,718
Morocco	4	56,052	102,575	1	3,053	4,457
Netherlands	184	1,906,282	3,488,496	42	322,873	471,395
New Zealand	2	45,499	83,263	.....	.....	.....
Nicaragua	8	14,924	27,311	3	9,829	14,350
Norway	253	4,664,712	8,536,423	52	851,494	1,243,181
Panama	1,602	21,683,201	39,680,258	369	5,071,488	7,404,372
People's Republic of China	95	1,786,311	3,268,949	3	53,497	78,106
Peru	153	1,372,755	2,512,142	12	189,200	276,232
Philippines	178	2,665,319	4,877,534	19	345,908	505,026
Poland	76	543,779	995,116	5	22,232	32,459
Portugal	1	945	1,729	.....	.....	.....
Rumania	1	10,303	18,854	.....	.....	.....
Saint Vincent	2	34,210	62,604	.....	.....	.....
Samoa	2	18,398	33,668	.....	.....	.....
Saudi Arabia	4	45,410	83,100	1	6,625	9,672
Singapore	188	3,387,574	6,199,260	27	571,863	834,920
Somali Republic	3	27,945	51,139	.....	.....	.....
South Korea	147	2,381,534	4,358,207	7	83,821	122,379
Spain	112	629,752	1,152,446	9	25,696	37,516
Sri Lanka	15	198,896	363,980	3	26,452	40,080
Sweden	105	2,533,814	4,636,880	4	160,001	233,601
Switzerland	72	738,999	1,352,368	1	8,971	13,098
Taiwan	163	3,959,482	7,245,852	5	140,358	204,923
Thailand	1	9,536	17,451	.....	.....	.....
Turkey	1	3,887	7,113	1	3,887	5,675
United Arab Emirates	1	29,687	54,327	1	29,687	43,343
United Kingdom	441	8,123,643	14,866,267	60	807,965	1,179,629
United States	619	7,536,786	13,792,318	182	1,892,293	2,762,748
Uruguay	4	19,402	35,506	3	7,974	11,642
U.S.S.R.	451	3,760,763	6,882,196	110	900,131	1,314,191
Vanuatu	1	442	809	.....	.....	.....
Venezuela	98	254,958	466,573	17	20,924	30,549
Vietnam	1	7,906	14,468	.....	.....	.....
West Germany	255	3,116,454	5,703,111	30	185,378	270,652
Yugoslavia	90	949,675	1,737,905	8	143,405	209,371
Total	9,613	139,849,136	$255,935,431	1,885	29,091,791	$42,474,015

Above table involves only commercial vessels of 300 net tons or over, Panama Canal measurement.

Table 6.—Segregation of Transits[1] by Registered Gross Tonnage—Fiscal Year 1985

Flag	Under 2,000	2,000 to 3,999	4,000 to 5,999	6,000 to 7,999	8,000 to 9,999	10,000 to 14,999	15,000 to 19,999	20,000 to 29,999	30,000 to 39,999	40,000 and over	Total[2]	Registered gross tonnage	Average gross tonnage per vessel
Algeria	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	18,385	18,385
Argentina	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2	18,634	9,317
Australia	1	.....	.....	.....	.....	.....	.....	4	.....	.....	5	100,052	20,010
Austria	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	3	81,222	27,074
Bahamas	1	3	.....	2	6	13	3	23	.....	.....	51	836,047	16,393
Belgium	.....	.....	.....	94	1	.....	3	20	12	.....	130	1,666,681	12,821
Bermuda	.....	.....	4	5	.....	1	.....	2	1	.....	13	151,009	11,616
Brazil	.....	.....	.....	1	1	14	.....	3	2	8	29	664,827	22,925
Bulgaria	2	1	.....	2	.....	4	.....	.....	.....	.....	9	66,021	7,336
Canada	3	1	.....	.....	.....	.....	.....	2	.....	.....	6	56,510	9,418
Cayman Islands	2	2	8	.....	.....	.....	.....	1	.....	.....	13	76,261	5,866
Chile	2	4	.....	1	7	67	.....	.....	.....	.....	81	948,219	11,706
Colombia	15	10	2	.....	.....	81	10	40	.....	.....	158	2,186,917	13,841
Costa Rica	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	5,952	992
Cuba	.....	72	.....	2	47	19	.....	.....	.....	.....	140	893,139	6,380
Cyprus	9	11	13	14	34	23	8	10	2	.....	124	1,246,235	10,050
Czechoslovakia	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	10,416	10,416
Denmark	55	3	3	1	10	10	7	26	49	76	240	6,101,056	25,421
East Germany	.....	.....	8	6	6	6	.....	.....	.....	.....	26	195,864	7,533
Ecuador	7	34	42	185	72	53	74	32	.....	.....	499	4,914,205	9,848
Egypt	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2	45,230	22,615
Faroes	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1,500	500
Finland	2	.....	.....	2	.....	8	5	1	.....	.....	18	229,423	12,746
France	4	2	.....	.....	.....	27	21	6	.....	.....	60	884,447	14,741
Ghana	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3	39,012	13,004
Greece	22	4	11	49	92	210	136	69	155	.....	748	13,009,185	17,392
Honduras	4	2	.....	2	10	.....	.....	.....	.....	.....	18	102,859	5,714
Hong Kong	.....	.....	.....	4	2	5	1	6	6	1	25	523,250	20,930
Iceland	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	4,808	4,808
India	.....	.....	.....	.....	1	2	8	4	5	3	23	577,010	25,087
Indonesia	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	3	29,544	9,848
Israel	.....	.....	.....	.....	.....	.....	.....	70	.....	.....	70	1,866,480	26,664
Italy	1	.....	.....	.....	13	19	22	20	1	.....	76	1,261,444	16,598
Japan	145	56	59	107	66	153	219	146	172	19	1,142	18,243,365	15,975
Jordan	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	2	25,948	12,974
Kuwait	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	6	95,274	15,879
Liberia	1	14	75	67	82	221	322	266	232	22	1,302	25,320,131	19,447

Malaysia	.....	.....	.....	.....	.....	.....	7	11	4	.....	22	470,128	21,369
Malta	.....	3	2	.....	2	5	2	2	.....	1	17	243,163	14,304
Mauritania	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	350	350
Mexico	10	1	5	.....	1	11	23	6	51	.....	108	2,441,422	22,606
Morocco	.....	2	.....	.....	.....	.....	.....	3	.....	.....	5	70,996	14,199
Netherlands	29	25	20	12	62	35	5	24	14	.....	226	2,444,214	10,815
New Zealand	.....	.....	.....	.....	.....	1	.....	.....	.....	1	2	53,267	26,634
Nicaragua	9	.....	.....	2	.....	.....	.....	.....	.....	.....	11	20,021	1,820
Norway	2	4	5	9	53	19	80	101	24	8	305	5,961,386	19,546
Panama	195	162	198	150	211	319	288	248	171	29	1,971	26,732,609	13,563
People's Republic of China	1	.....	.....	.....	2	16	44	22	13	.....	98	2,055,848	20,978
Peru	2	38	12	8	38	29	13	15	10	.....	165	1,874,767	11,362
Philippines	.....	5	14	24	8	38	65	35	8	.....	197	3,024,781	15,354
Poland	.....	7	31	13	17	6	7	.....	.....	.....	81	614,987	7,592
Portugal	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1,127	1,127
Rumania	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	11,359	11,359
Saint Vincent	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	2	39,814	19,907
Samoa	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	2	21,100	10,550
Saudi Arabia	.....	.....	.....	3	.....	2	.....	.....	.....	.....	5	43,756	8,751
Singapore	1	2	9	30	32	31	35	25	48	2	215	3,800,821	17,678
Somali Republic	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3	31,629	10,543
South Korea	9	3	.....	.....	20	21	31	60	10	.....	154	2,873,155	18,657
Spain	20	31	34	2	15	17	1	1	.....	.....	121	668,218	5,522
Sri Lanka	2	.....	.....	3	3	2	.....	8	.....	.....	18	281,049	15,614
Sweden	.....	.....	.....	.....	.....	8	67	19	13	2	109	2,160,673	19,823
Switzerland	.....	.....	.....	.....	3	63	1	2	4	.....	73	892,692	12,229
Taiwan	11	.....	.....	.....	1	1	5	18	132	.....	168	5,003,859	29,785
Thailand	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	12,649	12,649
Turkey	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	2	9,222	4,611
United Arab Emirates	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2	68,480	34,240
United Kingdom	17	9	16	31	20	54	109	125	101	19	501	10,613,434	21,184
United States	271	29	5	8	15	126	176	106	18	42	796	10,232,166	12,854
Uruguay	2	4	.....	.....	.....	1	.....	.....	.....	.....	7	30,331	4,333
U.S.S.R.	13	70	72	47	151	148	34	22	4	.....	561	5,085,512	9,065
Vanuatu	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	299	299
Venezuela	81	13	.....	17	.....	4	.....	.....	.....	.....	115	314,655	2,736
Vietnam	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	9,123	9,123
West Germany	8	46	31	17	43	11	78	18	32	1	285	3,885,973	13,635
Yugoslavia	.....	.....	4	.....	40	39	5	3	2	5	98	1,301,820	13,284
Total	971	673	686	920	1,192	1,957	1,924	1,630	1,298	239	11,490	175,897,417	15,308
Percent of Total	8.5	5.9	6.0	8.0	10.4	17.0	16.7	14.2	11.3	2.1	100.0		

[1] Includes only commercial vessels of 300 net tons and over, Panama Canal measurement.

[2] Excludes 17 vessels paying tolls on displacement tonnage basis and 8 transits where no registered tonnage was reported.

Statistics compiled by Office of Executive Planning.

Table 7.—Principal Commodities Shipped Through Canal by Fiscal Years

[Thousands of long tons]

South Atlantic to Pacific			Commodity	North Pacific to Atlantic		
1983	1984	1985		1985	1984	1983
518	565	459	Canned and Refrigerated Foods	3,202	2,743	2,889
74	110	73	Canned Foods	182	222	171
3	2	3	Fish	52	33	43
6	24	7	Fruit	57	115	62
57	68	48	Milk	55	53	28
8	16	15	Other and unclassified	17	21	38
443	455	386	Refrigerated Foods	3,020	2,521	2,718
1	7	.....	Bananas	883	811	888
6	6	7	Dairy Products	72	23	20
131	148	113	Fish	909	605	592
100	115	34	Fruit, excluding bananas	537	459	461
10	6	7	Meat	37	31	73
195	171	224	Other and unclassified	581	591	684
4,121	4,180	3,855	Chemicals and Petroleum Chemicals	1,154	979	846
674	927	714	Caustic soda	5	41	65
2,474	2,376	2,305	Chemicals, unclassified	967	886	671
973	877	837	Petroleum Chemicals, miscellaneous	182	52	110
9,161	8,115	8,553	Coal and Coke (excluding petroleum coke)	2,929	1,839	1,556
34,785	25,089	20,843	Grains	2,668	3,033	1,675
118	16	55	Barley	421	533	299
21,625	9,490	8,132	Corn	60	7	1
27	9	38	Oats	1	15	1
75	117	93	Rice	516	517	210
1,345	1,322	2,269	Sorghum	.....	.....	.....
7,039	6,837	6,382	Soybeans	10	61	10
4,478	7,213	3,742	Wheat	1,656	1,757	1,084
78	84	133	Other and unclassified	4	143	70
529	614	582	Lumber and Products	5,644	5,749	5,335
9	12	11	Boards and planks	3,102	3,182	2,738
20	14	21	Plywood, veneers, composition board	802	878	981
475	559	514	Pulpwood	1,472	1,435	1,411
25	30	37	Other and unclassified	268	254	205

525	550	556	Machinery and Equipment	1,823	1,631	1,475
59	59	54	Agricultural machinery and implements	23	32	16
243	292	341	Automobiles, trucks, accessories and parts	1,589	1,464	1,305
104	91	79	Construction machinery and equipment	113	69	65
48	41	36	Electrical machinery and apparatus	39	29	33
2	2	2	Motorcycles, bicycles, and parts	4	9	19
69	64	44	Other and unclassified	54	28	37
1,632	1,842	2,725	Manufactures of Iron and Steel	5,092	5,424	3,563
123	168	150	Angles, shapes, and sections	426	294	403
10	54	6	Nails, tacks, and spikes	67	118	70
950	869	1,244	Plates, sheets, and coils	1,822	2,084	1,277
72	98	136	Tubes, pipes, and fittings	921	1,039	696
161	307	595	Wire, bars, and rods	279	420	314
316	347	594	Other and unclassified	1,578	1,470	803
228	177	225	Minerals, miscellaneous	4,194	3,691	3,070
20	18	21	Asbestos	2	4	3
12	5	.....	Borax	415	414	391
2	9	3	Infusorial earth	3	9	5
122	77	77	Salt	524	696	577
61	55	109	Soda and sodium compounds	198	136	149
11	13	16	Sulfur	3,051	2,431	1,945
7,950	8,617	9,530	Nitrates, Phosphates, and Potash	2,331	1,263	1,467
379	535	653	Ammonium compounds	15	48	26
1	.....	2	Fishmeal	1,297	725	823
27	84	34	Nitrate of soda	240	170	277
5,826	6,395	6,764	Phosphates	376	86	143
127	113	186	Potash	335	175	142
1,590	1,490	1,891	Fertilizers, unclassified	67	59	56
3,391	3,636	3,695	Ores and Metals	6,037	5,028	4,577
750	888	829	Ores	4,791	3,825	2,937
375	454	227	Alumina/bauxite	1,145	892	107
.....	4	4	Chrome	55	71	11
1	.....	13	Copper	415	390	414
69	11	108	Iron	329	73	54
18	11	14	Lead	144	167	124
133	79	101	Manganese	170	91	88
.....	.....	1	Tin	25	32	31
97	131	73	Zinc	464	572	468
57	197	288	Other and unclassified	2,044	1,539	1,640

Table 7.—Principal Commodities Shipped Through Canal by Fiscal Years—Continued

[Thousands of long tons]

South Atlantic to Pacific			Commodity	North Pacific to Atlantic		
1983	1984	1985		1985	1984	1983
2,641	2,747	2,866	Metals	1,246	1,203	1,640
397	309	256	Aluminum	74	53	57
42	33	77	Copper	818	885	1,162
238	87	134	Iron	7	8	60
14	14	5	Lead	96	85	129
1,846	2,227	2,318	Scrap	5	3	2
15	12	11	Tin, including tinplate	56	19	21
13	29	36	Zinc	156	104	129
76	35	29	Other and unclassified	35	46	80
1,953	1,603	1,384	Other Agricultural Commodities	3,593	4,026	3,491
56	43	7	Beans, edible	57	46	42
3	3	3	Cocoa and cacao beans	76	49	31
19	9	12	Coffee, raw and processed	414	458	467
.....	1	.....	Copra and coconuts	11	11	14
28	15	12	Cotton, raw	146	110	123
3	3	5	Molasses	781	672	827
91	36	67	Oilseeds	125	336	64
51	.....	.....	Peas, dry	63	48	36
.....	.....	1	Rubber, raw	98	96	61
.....	.....	2	Skins and hides	7	3	3
1,701	1,493	1,273	Sugar	1,799	2,179	1,803
1	.....	.....	Wool, raw	17	19	20
13,727	12,555	10,837	Petroleum and Products	15,936	18,107	20,191
90	155	74	Asphalt	1	8	6
4,547	3,898	3,397	Crude oil	9,029	10,267	14,123
1,277	1,129	1,094	Diesel oil	755	815	569
3,318	3,007	2,378	Fuel oil, residual	3,629	3,836	2,800
1,352	983	1,206	Gasoline	659	760	347
627	593	478	Jet fuel	12	77	9
45	104	45	Kerosene	1	.....	.....
799	737	713	Liquefied natural gas	28	46	28
524	689	610	Lubricating oil	220	167	114
712	460	664	Petroleum coke	1,553	1,752	1,624

436	798	178	Other and unclassified	52	378	571
9,309	10,717	10,908	Miscellaneous	9,889	8,698	7,627
21	24	41	Bricks and tile	13	11	5
4	4	29	Carbon black	5	1	1
64	174	255	Cement	5	5	7
380	357	417	Clay, fire and china	42	25	28
21	40	9	Fibers, plant	6	15	17
242	219	122	Flour, wheat	1	31	54
20	24	20	Glass and glassware	5	6	11
29	36	36	Groceries, miscellaneous	60	37	37
31	16	23	Liquors and wines	21	7	5
25	41	24	Marble and stone	1	.....	1
4	4	2	Oil, coconut	54	92	91
8	17	.....	Oil, fish	174	164	87
245	247	190	Oil, vegetable	151	95	108
702	761	854	Paper and paper products	461	368	514
1	3	4	Porcelainware	1	3	3
210	168	312	Resin	3	3	6
29	45	21	Rubber, manufactured	34	38	49
34	1	1	Seeds, excluding oilseeds	12	10	3
15	72	8	Slag, clinkers, and dross	15	1	.....
67	66	67	Tallow	57	40	39
48	47	65	Textiles	38	43	41
46	10	4	Tobacco and manufactures	4	4	3
13	16	7	Wax, paraffin	11	17	3
7,050	8,326	8,397	All other and unclassified	8,717	7,681	6,514
87,829	78,259	74,151	Total	64,492	62,212	57,762

Table 8.—Origin and Destination of Commercial Cargo Through the Panama Canal From Atlantic to Pacific During Fiscal Year 1985 Segregated by Countries in Principal Trade Routes

[Long tons]

	To West Coast United States				To W.C. Canada	To West Coast Central America								
	Alaska	Hawaii	Mainland	Total	Canada	Costa Rica	El Salvador	Guatemala	Mexico	Nicaragua	Panama	Central America (other) [1]	Balboa, R.P. [2]	Total
EAST COAST NORTH AMERICA:														
United States:														
North Atlantic ports	.....	25,279	247,687	272,966	23	.....	73,815	.....	.....	.....	603	.....	32,768	107,186
South Atlantic ports	.....	2,777	56,591	59,368	38	.....	.....	.....	102,232	.....	17,194	.....	8,689	128,115
Great Lakes ports	.....	.....	.....	.....	.....	30,608	9,926	.....	55,450	.....	.....	.....	.....	95,984
Gulf ports	.....	260	845,985	855,245	818,264	195,564	415,290	22,785	867,998	11,210	40,766	40,210	314,539	1,908,362
United States (other) [1]	.....	17,830	207,193	225,023	.....	.....	52	.....	.....	.....	.....	.....	41,545	41,597
Total United States	.....	46,146	1,366,456	1,412,602	818,325	226,172	499,083	22,785	1,025,680	11,210	58,563	40,210	397,541	2,281,244
EAST COAST CANADA	.....	.....	19,431	19,431	.....	1,320	1,171	.....	24,408	5,448	8,281	3,186	.....	43,814
EAST COAST CENTRAL AMERICA:														
Mexico	.....	.....	441	441	.....	22,432	327,499	336,594	2,782,786	94,221	.....	77	439	3,564,048
Panama	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	7,551	7,562	92,575	107,691
Central America (other) [1]	.....	.....	.....	.....	.....	.....	1,097	.....	.....	2,593	.....	.....	11,166	14,856
Cristobal, R.P. [2]	.....	.....	.....	.....	.....	.....	.....	.....	.....	250	.....	.....	.....	250
Total Central America	.....	.....	441	441	.....	22,432	328,599	336,594	2,782,786	97,064	7,551	7,639	104,180	3,686,845
EAST COAST SOUTH AMERICA:														
Brazil	.....	.....	791,818	791,818	35,080	.....	1,270	.....	20,778	15,218	.....	.....	2,904	40,170
Colombia	.....	.....	9,374	9,374	.....	2	8,543	.....	76,671	640	.....	120	44,770	130,746
Venezuela	.....	59,661	247,500	307,161	6,181	4,913	326,305	358,285	.....	3,187	5,687	13,662	26,790	738,829
South America (other) [1]	.....	.....	30,960	30,960	2,943	.....	36	.....	20,668	4,040	138	195	3,106	28,183
Total South America	.....	59,661	1,079,652	1,139,313	44,204	4,915	336,154	358,285	118,117	23,085	5,825	13,977	77,570	937,928
WEST INDIES:														
Cuba	.....	.....	.....	.....	.....	.....	.....	.....	.....	92,137	.....	672	.....	92,809
Jamaica	.....	.....	51,589	51,589	27,052	.....	.....	.....	.....	.....	.....	.....	.....	.....
Netherlands West Indies	35,248	53,723	16,839	105,810	.....	.....	5,332	61,909	.....	18,812	6,540	516	55,866	148,975
Trinidad/Tobago	.....	.....	98,755	98,766	2,944	8,323	.....	.....	.....	602	14,421	.....	.....	23,346
West Indies (other) [1]	.....	60,977	151,707	212,684	.....	.....	.....	.....	.....	.....	.....	259	7,925	8,184
Total West Indies	35,248	114,700	318,890	468,838	29,996	8,323	5,332	61,909	.....	111,551	20,961	1,447	63,791	273,314

EUROPE:														
Belgium	992	.....	540,883	541,875	93,390	9,570	30,877	399	3	15,716	.....	263	.....	56,828
France	.....	.....	137,960	137,960	18,009	8,447	3,322	.....	2,526	45,656	.....	29	.....	59,980
Italy	.....	.....	211,517	211,517	9,939	2	12,661	41	5,002	1,956	.....	727	.....	20,389
Netherlands	22	138	475,340	475,500	36,937	1,036	22,846	3,700	2,209	9,027	.....	193	200	39,211
Norway	.....	.....	167,883	167,883	.....	.....	10,334	11,935	.....	14,799	.....	.....	.....	37,068
Spain-Portugal	.....	.....	354,972	354,972	37,555	1,950	23,626	107	5,301	16,241	2,024	734	3,539	53,522
Sweden	1,121	.....	212,107	213,228	7,479	3	.....	.....	321	26,519	.....	701	.....	27,544
United Kingdom	.....	.....	115,862	115,862	12,265	328	2,020	.....	5,237	220	.....	.....	.....	7,805
U.S.S.R.	.....	.....	36,506	36,506	261	.....	21	.....	37,270	618,511	.....	36	.....	655,838
West Germany	299	893	540,604	541,796	47,484	1,522	12,505	8,230	828	8,270	4,936	765	.....	37,056
Europe (other) [1]	278	.....	677,508	677,786	136,190	8,120	38,665	31,901	.....	132,313	1,767	27,236	366	240,368
Total Europe	2,712	1,031	3,471,142	3,474,885	399,509	30,978	156,877	56,313	58,697	889,228	8,727	30,684	4,105	1,235,609
ASIA (MIDDLE EAST)	8,522	.....	119,021	127,543	8,505	.....	.....	.....	26,690	.....	.....	.....	.....	29,690
AFRICA	.....	.....	172,827	172,827	43,238	.....	.....	.....	.....	.....	.....	113	.....	113
Grand total	46,482	221,538	6,547,860	6,815,880	1,343,777	294,140	1,327,216	835,886	4,039,378	1,137,586	109,908	97,256	647,187	8,488,557
Percent of Pacific-Bound Cargo	0.1	0.3	8.8	9.2	1.8	0.4	1.8	1.1	5.4	1.5	0.1	0.1	0.9	11.4

See footnotes at end of table.

Table 8.—Origin and Destination of Commercial Cargo Through the Panama Canal From Atlantic to Pacific During Fiscal Year 1985 Segregated by Countries in Principal Trade Areas—Continued

[Long tons]

	To West Coast South America						To Oceania				
	Chile	Colombia	Ecuador	Peru	South America (other) [1]	Total	Australia	French Oceania	New Zealand	Oceania (other) [1]	Total
EAST COAST NORTH AMERICA:											
United States:											
North Atlantic ports	165,542	15,890	67,950	172,952	21,481	443,815	88,716	23	22,764	79,142	190,645
South Atlantic ports	14,617	15,682	58,551	6,591	5,601	101,042	51,158	.....	130,267	18,005	199,430
Great Lakes ports	121	232	552	16,851	4,650	22,406	.....	.....	.....	.....	.....
Gulf ports	733,841	709,810	812,067	678,107	32,320	2,966,145	1,224,797	.....	253,598	108,162	1,586,557
United States (other) [1]	83,791	19,011	59,534	47,012	17,329	226,677	30,700	18	24,235	84,557	139,510
Total United States	997,912	760,625	998,654	921,513	81,381	3,760,085	1,395,371	41	430,864	289,866	2,116,142
EAST COAST CANADA	7,145	16,974	21,905	27,232	15,612	88,868	42,815	.....	15,883	49,976	108,674
EAST COAST CENTRAL AMERICA:											
Mexico	6,432	2,894	74,893	12,420	1,821	98,460	.....	.....	6,479	5,802	12,281
Panama	77,254	.....	2,042	399	1,985	81,680	.....	.....	.....	.....	.....
Central America (other) [1]	.....	3,543	1,951	.....	30	5,524	.....	.....	.....	.....	.....
Cristobal, R.P. [2]	.....	.....	.....	50	6,000	6,050	.....	.....	.....	.....	.....
Total Central America	83,686	6,437	78,886	12,869	9,836	191,714	.....	.....	6,479	5,802	12,281
EAST COAST SOUTH AMERICA:											
Brazil	.....	120	166,308	.....	.....	166,428	.....	.....	.....	.....	.....
Colombia	5,878	409,243	4,129	3,823	4,496	427,569	.....	.....	.....	.....	.....
Venezuela	1,198,463	13,093	8,688	15,439	44,849	1,280,532	.....	.....	29,504	.....	29,504
South America (other) [1]	1,557	4,100	30,367	2,931	3,127	42,082	.....	.....	2,616	.....	2,616
Total South America	1,205,898	426,556	209,492	22,193	52,472	1,916,611	.....	.....	32,120	.....	32,120
WEST INDIES:											
Cuba	.....	.....	210	.....	17,128	17,338	.....	.....	.....	.....	.....
Jamaica	.....	.....	7,554	.....	.....	7,554	45	.....	8	69	122
Netherlands West Indies	279,329	13,683	64,972	4,071	163,503	525,558	48,870	.....	9,045	1,455	59,370
Trinidad/Tobago	4,473	16,684	15,218	10,018	.....	46,393	64	.....	35	136	235
West Indies (other) [1]	22,576	.....	59	5,385	5,136	33,156	78	.....	23,240	47	23,365
Total West Indies	306,378	30,367	88,013	19,474	185,767	629,999	49,057	.....	32,328	1,707	83,092

EUROPE:											
Belgium	83,812	9,691	29,319	89,464	28,260	240,546	4,286	13,478	27,094	5,680	50,538
France	5,269	6,286	6,429	27,639	6,957	52,580	2,837	169,168	101	29,120	201,226
Italy	6,102	9,136	9,406	5,186	6,003	35,833	1,340	7,215	9,736	8,479	26,770
Netherlands	33,947	3,464	27,976	45,737	8,179	119,303	42,299	9,576	39,584	44,803	136,262
Norway	707	.....	.....	.....	354	1,061	18,062	.....	.....	.....	18,062
Spain-Portugal	26,124	7,541	141,859	15,604	11,057	202,185	809	767	2,000	6,062	9,638
Sweden	25,845	4,410	6,723	8,454	5,841	51,273	159	.....	1,236	1,800	3,195
United Kingdom	30,966	5,216	10,675	19,840	2,077	68,774	12,231	647	43,709	46,289	102,876
U.S.S.R.	.....	.....	750	12,987	104,150	117,887	.....	.....	.....	.....	.....
West Germany	73,760	20,319	48,276	35,336	17,906	195,597	5,926	6,312	20,515	23,802	56,555
Europe (other)[1]	63,332	36,165	87,694	50,122	56,480	293,793	20,727	40,594	18,360	95,434	175,115
Total Europe	349,864	102,228	369,107	310,369	247,264	1,378,832	108,676	247,757	162,335	261,469	780,237
ASIA (MIDDLE EAST)	.....	.....	49	.....	.....	49	.....	.....	.....	.....	.....
AFRICA	2,387	30	77	152	4,882	7,528	5,984	.....	.....	579	6,563
Grand total	2,953,270	1,343,217	1,766,183	1,313,802	597,214	7,973,686	1,601,903	247,798	680,009	609,399	3,139,109
Percent of Pacific-Bound Cargo	4.0	1.8	2.4	1.8	0.8	10.8	2.2	0.3	0.9	0.8	4.2

See footnotes at end of table.

Table 8.—Origin and Destination of Commercial Cargo Through the Panama Canal From Atlantic to Pacific During Fiscal Year 1985 Segregated by Countries in Principal Trade Areas—Continued

[Long tons]

	To Asia													Percent of total Pacific-bound cargo
	China (Mainland)	China (Taiwan)	Hong Kong	Indonesia	Japan	Philippine Islands	Singapore	South Korea	Thailand	U.S.S.R.	Asia (other) [1]	Total	Grand total	
EAST COAST NORTH AMERICA:														
United States:														
North Atlantic ports	338,651	1,001,669	111,856	5,552	3,327,508	56,267	68,478	1,038,478	2,027	18,423	458,915	6,427,824	7,442,459	10.0
South Atlantic ports	298,578	105,645	128,947	5,938	859,956	7,145	29,952	45,870	.....	.....	335,737	1,817,768	2,305,761	3.1
Great Lakes ports	28,319	1,518	532	.....	116,585	.....	.....	59,158	17,513	.....	.....	223,625	342,015	0.5
Gulf ports	2,393,846	4,176,773	288,226	119,430	18,484,869	241,798	71,351	3,105,794	90,127	579,494	661,124	30,212,832	38,347,405	51.7
United States (other) [1]	247,518	284,750	267,797	17,040	576,195	22,948	94,640	214,183	9,313	.....	559,465	2,293,849	2,926,656	3.9
Total United States	3,306,912	5,570,355	797,358	147,960	23,365,113	328,158	264,421	4,463,483	118,980	597,917	2,015,241	40,975,898	51,364,296	69.3
EAST COAST CANADA	436,801	34,846	33,015	5,904	696,144	56	94	57,342	15,465	.....	245,995	1,525,662	1,786,449	2.4
EAST COAST CENTRAL AMERICA:														
Mexico	15,574	11,185	7,121	.....	122,157	139	5,832	17,776	22,003	.....	16,155	217,942	3,893,172	5.3
Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	189,371	0.3
Central America (other) [1]	.....	1,217	.....	.....	15,876	.....	.....	.....	.....	.....	3,145	20,238	40,618	0.1
Cristobal, R.P. [2]	.....	.....	.....	.....	.....	.....	49	.....	.....	.....	1,260	1,309	7,609	.0
Total Central America	15,574	12,402	7,121	.....	138,033	139	5,881	17,776	22,003	.....	20,560	239,489	4,130,770	5.6
EAST COAST SOUTH AMERICA:														
Brazil	24,176	.....	.....	.....	159,295	.....	3,371	11,684	.....	.....	.....	198,526	1,232,022	1.7
Colombia	.....	.....	.....	.....	57,357	.....	.....	.....	.....	.....	.....	57,357	625,046	0.8
Venezuela	291,251	2,344	45,951	.....	890,552	.....	.....	25,458	.....	.....	1,996	1,257,552	3,619,759	4.9
South America (other) [1]	9,200	.....	.....	.....	39,003	.....	.....	.....	.....	.....	.....	53,781	160,565	0.2
Total South America	324,627	2,344	45,951	.....	1,146,207	.....	3,371	42,720	.....	.....	1,996	1,567,216	5,637,392	7.6
WEST INDIES:														
Cuba	623,219	.....	.....	.....	451,832	.....	.....	33,578	.....	135,763	48,761	1,293,153	1,403,300	1.9
Jamaica	.....	21,466	8,034	.....	20,945	227	2,503	9,469	.....	.....	49,122	111,766	198,083	0.3
Netherlands West Indies	.....	.....	.....	3,300	8,353	2,450	10,247	.....	1,583	.....	18,094	44,027	883,740	1.2
Trinidad/Tobago	40,494	.....	.....	.....	54,267	.....	.....	.....	.....	.....	631	95,392	267,065	0.4
West Indies (other) [1]	1,151	16,318	15	.....	18,658	.....	.....	2,000	.....	.....	30,517	68,659	346,048	0.5
Total West Indies	664,864	37,784	8,049	3,300	554,055	2,677	12,750	45,047	1,583	135,763	147,125	1,612,997	3,098,236	4.2

EUROPE:														
Belgium	2,910	.....	.....	.....	571	.....	.....	551	.....	.....	3,022	7,054	990,231	1.3
France	.....	.....	26	.....	2,346	.....	.....	1,681	.....	.....	1,137	5 190	474,945	0.6
Italy	.....	.....	19	.....	101	.....	.....	.....	.....	.....	1,705	1,825	306,273	0.4
Netherlands	2,910	31,406	7,953	750	86,215	523	6,464	17,965	12,601	.....	44,324	211,111	1,018,324	1.4
Norway	27,120	.....	85	.....	7,883	.....	.....	.....	.....	202	.....	35,290	259,364	0.3
Spain-Portugal	12,872	28	89	.....	4,478	.....	.....	25	.....	.....	5,544	23,036	680,908	0.9
Sweden	.....	.....	.....	.....	574	.....	.....	.....	.....	.....	.....	574	303,293	0.4
United Kingdom	9,936	850	.....	3,268	15,122	133	14,089	999	.....	.....	16,407	60,804	368,386	0.5
U.S.S.R.	.....	.....	.....	.....	6,912	.....	.....	.....	.....	2,287	.....	9,199	819,691	1.1
West Germany	10,940	.....	.....	.....	4,436	.....	.....	.....	.....	.....	1,001	16,377	894,865	1.2
Europe (other) [1]	.....	.....	.....	.....	23,398	.....	.....	1,342	.....	.....	32,061	56,801	1,580,053	2.1
Total Europe	66,688	32,284	8,172	4,018	152,036	656	20,553	22,563	12,601	2,489	105,201	427,261	7,696,333	10.4
ASIA (MIDDLE EAST)	.....	.....	30	.....	186	.....	.....	336	.....	.....	3,059	3,611	169,398	0.2
AFRICA	226	.....	.....	.....	32,650	.....	.....	1,382	.....	.....	3,544	37,802	268,071	0.4
Grand total	4,815,692	5,690,015	899,696	161,182	26,084,424	331,686	307,070	4,650,649	170,632	736,169	2,542,721	46,389,936	74,150,945	.0
Percent of Pacific-Bound Cargo	6.5	7.7	1.2	0.2	35.2	0.4	0.4	6.3	0.2	1.0	3.4	62.6	.....	100.0

[1] Includes cargo not routed to permit segregation between definite countries.
[2] Includes both local and transshipped cargo.

Table 9.—Origin and Destination of Commercial Cargo Through the Panama Canal From Pacific to Atlantic During Fiscal Year 1985 Segregated by Countries in Principal Trade Areas

[Long tons]

	To East Coast United States						To E.C. Canada	To East Coast Central America				
	North Atlantic ports	South Atlantic ports	Great Lakes ports	Gulf ports	United States (other) [1]	Total	Canada	Mexico	Panama	Central America (other) [1]	Cristobal R.P. [2]	Total
WEST COAST NORTH AMERICA:												
United States:												
Alaska	56,577	.....	.....	164,187	.....	220,764	.....	.....	.....	.....	.....	.....
Hawaii	27,885	550	.....	145,181	1,347	174,963	.....	.....	.....	.....	.....	.....
Mainland	536,568	92,172	.....	1,888,059	212,181	2,728,980	271,300	10,024	.....	400	525	10,949
Total United States	621,030	92,722	.....	2,197,427	213,528	3,124,707	271,300	10,024	.....	400	525	10,949
WEST COAST CANADA	937,280	424,790	8,073	574,532	393,560	2,338,235	7,171	46,008	.....	.....	.....	46,008
WEST COAST CENTRAL AMERICA:												
Costa Rica	6,703	34,754	.....	30,847	4,353	76,657	1,054	33	.....	15,552	1	15,586
E. Salvador	22,144	9,087	.....	65,767	9,287	106,285	.....	.....	.....	.....	20,210	20,210
Guatemala	96,866	20,218	.....	73,088	55,507	245,679	.....	.....	.....	.....	70	70
Honduras	.....	6,781	.....	11,253	.....	18,034	.....	.....	.....	.....	31	31
Mexico	23,668	160	.....	35,848	34,733	94,409	.....	302,155	.....	.....	453	302,608
Nicaragua	.....	.....	.....	17,486	.....	17,486	.....	.....	.....	6,452	721	7,173
Panama	79,134	4,518	.....	104,554	14,022	202,228	1,054	.....	.....	.....	.....	.....
Central America (other) [1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	78	128
Balboa, R.P. [2]	.....	.....	.....	574	.....	574	.....	.....	.....	1,490	.....	1,490
Total Central America	228,515	79,518	.....	339,417	117,902	761,352	2,108	302,188	.....	23,544	21,564	347,296
WEST COAST SOUTH AMERICA:												
Chile	859,162	100,801	.....	299,152	184,217	1,443,332	102,049	41,072	.....	1,901	746	43,719
Colombia	93,792	56,584	.....	119,195	78,799	348,370	64	54	.....	.....	.....	54
Ecuador	950,066	54,477	.....	2,546,580	266,633	3,817,756	120	283	661,099	67	796	662,245
Peru	895,678	88,766	2,002	764,992	229,600	1,981,038	4,352	8,620	.....	260	1,223	10,103
South America (other) [1]	31,485	11,845	.....	19,627	7,154	70,111	177	.....	.....	.....	2,521	2,521
Total South America	2,830,183	312,473	2,002	3,749,546	766,403	7,660,607	106,762	50,029	661,099	2,228	5,286	718,642
OCEANIA:												
Australia	298,953	47,293	22,084	1,729,564	62,773	2,160,667	336,486	142,252	70	.....	.....	142,322
British Oceania	4,066	.....	.....	39,982	.....	44,048	17,716	.....	.....	.....	.....	.....
French Oceania	13,525	.....	.....	.....	62	13,587	.....	.....	.....	.....	.....	.....
New Zealand	130,774	17,477	.....	62,275	19,837	230,363	26,838	30,242	79	.....	178	30,499
Oceania (other) [1]	160,517	35,705	.....	48,774	36,219	281,215	37,112	.....	.....	.....	.....	.....
Total Oceania	607,835	100,475	22,084	1,880,595	118,891	2,729,880	418,152	172,494	149	.....	178	172,821

ASIA:												
China	178,731	21,477	6,381	1,119,905	86,918	1,413,412	82,946	.....	.....	.....	.....	.....
Taiwan	430,986	137,313	.....	46,421	234,202	848,922	30,162	.....	.....	566	13,176	13,742
Hong Kong	189,394	81,583	.....	6,211	116,707	393,895	25,317	.....	.....	275	4,535	4,810
Indonesia	72,090	59,393	.....	101,144	173,166	405,793	.....	1,534	.....	.....	.....	1,534
Japan	2,035,174	930,699	347,599	3,024,341	968,010	7,305,823	156,915	28,574	.....	2,564	31,294	62,432
Philippine Islands	198,442	24,690	.....	25,862	231,363	480,357	5,027	1,016	.....	.....	1	1,017
Singapore	170,819	72,865	.....	64,245	100,992	408,921	518	.....	.....	130	294	424
South Korea	218,671	104,404	63	392,093	297,196	1,012,427	16,455	.....	.....	1,626	4,726	6,352
Thailand	680	.....	.....	84,101	14,110	98,891	.....	41,668	.....	.....	.....	41,668
U.S.S.R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Asia (other) [1]	1,273,276	555,106	.....	337,033	357,870	2,523,285	106,485	8,413	.....	8,613	78,886	95,912
Total Asia	4,768,263	1,987,530	354,043	5,201,356	2,580,534	14,891,726	423,825	81,205	.....	13,774	132,912	227,891
Grand total	9,993,106	2,993,508	386,202	13,942,873	4,190,818	31,506,507	1,229,319	661,948	661,248	39,946	160,465	1,523,607
Percent of Atlantic-Bound Cargo	15.5	4.6	0.6	21.6	6.5	48.9	1.9	1.0	1.0	0.1	0.2	2.4

See footnotes at end of table.

Table 9.—Origin and Destination of Commercial Cargo Through the Panama Canal From Pacific to Atlantic During Fiscal Year 1985 Segregated by Countries in Principal Trade Areas—Continued

[Long tons]

	To East Coast South America					To West Indies							
WEST COAST NORTH AMERICA: United States:	Brazil	Colombia	Venezuela	South America (other) [1]	Total	Cuba	Haiti/ Dominican Republic	Jamaica	Netherlands West Indies	Puerto Rico	Trinidad/ Tobago	West Indies (other) [1]	Total
Alaska	.....	.....	.....	.....	.....	.....	.....	59	.....	.....	54,677	497,896	552,632
Hawaii	.....	.....	5,875	.....	5,875	.....	112	.....	.....	.....	.....	.....	112
Mainland	78,966	8,199	64,151	2,312	153,628	.....	.....	575	149,708	73,303	.....	180,563	404,149
Total United States	78,966	8,199	70,026	2,312	159,503	.....	112	634	149,708	73,303	54,677	678,459	956,893
WEST COAST CANADA	590,922	1,191	293,297	11	885,421	163,782	.....	18,069	.....	32,857	.....	9,976	224,684
WEST COAST CENTRAL AMERICA:													
Costa Rica	.....	.....	20,690	.....	20,690	.....	.....	808	.....	500	.....	.....	1,308
El Salvador	.....	9,457	.....	.....	9,457	.....	.....	.....	18,509	.....	2,677	10,179	31,365
Guatemala	.....	.....	.....	.....	.....	.....	.....	9,842	.....	5,621	2,952	.....	18,415
Honduras	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19,823	656	20,479
Mexico	.....	215	1,181	76	1,472	7,029	73	.....	.....	714	.....	461	8,277
Nicaragua	.....	.....	399	3	402	18,282	.....	.....	.....	.....	.....	.....	18,282
Panama	.....	328	.....	443	771	1,792	.....	.....	.....	8,166	.....	.....	9,958
Central America (other) [1]	.....	.....	24,841	300	25,141	3,042	639	1,002	.....	63,957	.....	850	69,490
Balboa, R.P. [2]	.....	88	.....	.....	88	.....	.....	.....	.....	.....	.....	.....	.....
Total Central America	.....	10,088	47,111	822	58,021	30,145	712	11,652	18,509	78,958	25,452	12,146	177,574
WEST COAST SOUTH AMERICA:													
Chile	.....	8,181	95,609	535	104,325	.....	29,720	.....	.....	22,974	.....	10,785	63,479
Colombia	.....	784,456	104,775	2,000	891,231	.....	.....	.....	.....	.....	.....	.....	.....
Ecuador	566	120,629	2,351	.....	123,546	.....	.....	236,430	152,967	1,951,728	52,375	64,963	2,458,463
Peru	11,428	80,863	81,027	4,512	177,830	15,442	368	.....	154,064	1,166,289	.....	117,795	1,453,958
South America (other) [1]	92	8,891	10,470	3,578	23,031	35,252	.....	250	.....	3,388	.....	.....	38,890
Total South America	12,086	1,003,020	294,232	10,625	1,319,963	50,694	30,088	236,680	307,031	3,144,379	52,375	193,543	4,014,790
OCEANIA:													
Australia	.....	.....	688	.....	688	.....	.....	334	850	46,815	7,190	6,140	61,329
British Oceania	.....	.....	.....	.....	.....	.....	.....	.....	.....	338	.....	.....	338
French Oceania	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Zealand	.....	1,012	19,386	.....	20,398	13,210	8,692	267	440	.....	2,666	9,835	35,110
Oceania (other) [1]	.....	.....	.....	.....	.....	.....	.....	410	.....	55,725	.....	.....	56,135
Total Oceania	.....	1,012	20,074	.....	21,086	13,210	8,692	1,011	1,290	102,878	9,856	15,975	152,912

ASIA:													
China	.....	.....	63,408	.....	63,408	114,448	.....	677	.....	.....	.....	38	115,163
Taiwan	497	79	6,461	1,453	8,490	.....	4,909	34,902	164	6,236	2,677	3,453	52,341
Hong Kong	883	.....	11,217	783	12,883	.....	411	18,340	506	448	1,230	2,172	23,107
Indonesia	.....	.....	.....	.....	.....	.....	.....	.....	.....	118,876	.....	.....	118,876
Japan	32,726	186,226	109,134	30,676	358,762	127,047	35,001	51,694	8,812	131,413	30,389	63,848	448,204
Philippine Islands	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	12
Singapore	105	.....	4,657	2,140	6,902	1,051	.....	2,524	20	1,000	329	276	5,200
South Korea	.....	705	2,909	548	4,162	6,012	3,190	4,299	114	3,703	1,215	4,770	23,303
Thailand	.....	.....	.....	.....	.....	90,421	.....	.....	.....	.....	.....	.....	90,421
U.S.S.R.	.....	.....	.....	.....	.....	231,315	.....	.....	.....	.....	.....	.....	231,315
Asia (other) [1]	5,188	21,020	56,590	13,479	96,277	34,449	22,659	60,149	3,312	40,100	20,768	31,217	212,654
Total Asia	39,399	208,030	254,376	49,079	550,884	604,743	66,170	172,585	12,928	301,776	56,608	105,786	1,320,596
Grand total	721,373	1,231,540	979,116	62,849	2,994,878	862,574	105,774	440,631	489,466	3,734,151	198,968	1,015,885	6,847,449
Percent of Atlantic-Bound Cargo	1.1	1.9	1.5	0.1	4.6	1.3	0.2	0.7	0.8	5.8	0.3	1.6	10.6

See footnotes at end of table.

WEST COAST NORTH AMERICA:

United States:

- Alaska
- Hawaii
- Mainland
- Total United States

WEST COAST CANADA

WEST COAST CENTRAL AMERICA:

- Costa Rica
- El Salvador
- Guatemala
- Honduras
- Mexico
- Nicaragua
- Panama
- Central America (other) [1]
- Balboa, R.P. [2]
- Total Central America

WEST COAST SOUTH AMERICA:

- Chile
- Colombia
- Ecuador
- Peru
- South America (other) [1]
- Total South America

OCEANIA:

- Australia
- British Oceania
- French Oceania
- New Zealand
- Oceania (other) [1]
- Total Oceania

ASIA:

- China
- Taiwan
- Hong Kong
- Indonesia
- Japan
- Philippine Islands
- Singapore
- South Korea
- Thailand
- U.S.S.R.
- Asia (other) [1]
- Total Asia

Grand total

Percent of Atlantic-Bound Cargo

See footnotes at end of table.

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Table 9.—Origin and Destination of Commercial Cargo Through the Panama Canal From Pacific to Atlantic During Fiscal Year 1985 Segregated by Countries in Principal Trade Areas—Continued

[Long tons]

	To Europe													
	Belgium	*Den-mark*	*East Germany*	*Finland*	*France*	*Italy*	*Nether-lands*	*Spain/ Portugal*	*Sweden*	*United Kingdom*	*U.S.S.R.*	*West Germany*	*Europe (other)*[1]	*Total*
	.....	.....	.....	.....	12	.....	.....	1,407	.....	.....	.....	195	36,729	38,343
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26,573	26,573
	392,508	566	.....	.....	99,710	195,255	1,827,915	202,503	44,910	179,061	41,594	127,428	452,398	3,563,848
	392,508	566	.....	.....	99,722	195,255	1,827,915	203,910	44,910	179,061	41,594	127,623	515,700	3,628,764
	869,335	445,985	373,064	384,843	664,146	473,922	825,031	32,079	329,593	870,849	121,951	275,007	1,292,328	6,958,133
	.....	.....	.....	.....	389	2,614	625	31	.....	1,191	6,244	14,943	3,783	29,861
	41	.....	.....	.....	20,547	1,816	2,025	3,212	.....	312	34	22,421	18,472	69,536
	697	.....	.....	.....	.....	33,539	30	23	.....	.....	.....	11,706	23,604	71,388
	.....	.....	2,486	.....	.....	4,428	66	8,990	.....	.....	.....	1,868	1,280	16,632
	.....	.....	.....	.....	.....	4,341	4,531	56,832	2,000	4,451	.....	124,265	24,148	227,273
	.....	17	.....	.....	6,688	279	11,852	3,917	.....	498	.....	9,006	6,215	87,232
	44,693	.....	8,783	.....	1,989	33,203	19,232	1,847	.....	.....	.....	.....	16,677	70,977
	18	.....	.....	.....	.....	2,713	1,395	4,995	.....	800	189	43,215	26,109	87,190
	2,241	.....	.....	.....	5,533	.....	.....	30	.....	.....	133	.....	16	203
	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	47,714	17	11,269	.....	35,146	82,933	39,756	79,877	2,000	7,252	6,600	227,424	120,304	660,292
	186,971	1,111	70,802	.....	89,329	185,331	323,059	41,623	32,893	111,196	.....	440,113	213,735	1,696,163
	13,406	.....	.....	.....	265	86	32,310	2,648	1,335	994	.....	121,560	7,050	179,654
	57,402	104	19,557	109	8,080	47,215	55,151	5,170	653	15,518	31,354	108,611	131,025	479,949
	351,539	64	1,182	37,187	36,328	108,585	70,280	32,394	8,152	61,187	193,440	206,327	396,670	1,503,335
	12,802	.....	.....	.....	35,822	51,183	55,419	25,509	2,182	27,629	508,470	35,459	112,897	867,372
	622,120	1,279	91,541	37,296	169,824	392,400	536,219	107,344	452152	216,524	733,364	912,070	861,377	4,726,473
	7,828	.....	.....	.....	.....	2,793	13,016	.....	.....	11,387	.....	8,991	6,151	50,166
	.....	3,425	.....	.....	.....	.....	.....	27,559	.....	138,137	.....	.....	29,528	198,649
	18,601	.....	.....	.....	55,235	4,774	.....	489	.....	.....	.....	.....	46,133	125,232
	88,929	.....	1,347	.....	14,567	1,570	235,332	.....	6,374	27,254	.....	15,683	40,434	431,490
	12,952	.....	.....	.....	25	1,226	9,175	.....	.....	37,931	.....	7,452	20,562	89,323
	128,310	3,425	1,347	.....	69,827	10,363	257,523	28,048	6,374	214,709	.....	32,126	142,808	894,860
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	.....	.....	.....	.....	607	.....	2,708	.....	.....	.....	.....	.....	173	3,488
	.....	.....	.....	.....	1,606	.....	1,567	536	.....	.....	.....	.....	86	3,795
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	.....	.....	.....	.....	3,634	.....	49,079	786	.....	7,514	.....	5,964	17,046	87,740
	3,717	.....	.....	.....	.....	.....	12,378	.....	.....	.....	.....	.....	.....	12,378
	.....	.....	.....	.....	119	.....	424	.....	.....	.....	.....	.....	.....	543
	.....	.....	.....	.....	67	.....	1,390	170	.....	.....	.....	.....	71	1,698
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,591	.....	.....	13,591
	.....	.....	.....	.....	1,925	511	65	2,773	.....	141	.....	152	4,099	9,707
	41	.....	.....	.....	7,958	511	67,611	4,265	.....	7,655	13,591	6,116	21,475	132,940
	3,758	.....	.....	.....										
	2,063,745	451,272	477,221	422,139	1,046,623	1,155,384	3,554,055	455,523	428,092	1,496,050	917,000	1,580,366	2,953,992	17,001,462
	3.2	0.7	0.7	0.7	1.6	1.8	5.5	0.7	0.7	2.3	1.4	2.5	4.6	26.4

Table 9.—Origin and Destination of Commercial Cargo Through the Panama Canal From Pacific to Atlantic During Fiscal Year 1985 Segregated by Countries in Principal Trade Areas—Continued

[Long tons]

	To Asia (Middle East)	To Africa								
	Asia (Middle East)	Algeria	Egypt	Morocco	South Africa	Tunisia	Africa (other) [1]	Total	Grand Total	Percent of total Atlantic-bound cargo
WEST COAST NORTH AMERICA:										
United States:										
Alaska	.....	.....	3,064	.....	.....	.....	.....	3,064	814,803	1.3
Hawaii	.....	.....	.....	.....	.....	.....	.....	.....	207,523	0.3
Mainland	40,290	85,771	331,285	85,494	64,716	.....	175,511	742,777	7,915,921	12.3
Total United States	40,290	85,771	334,349	85,494	64,716	.....	175,511	745,841	8,938,247	13.9
WEST COAST CANADA	266,456	240,426	530,030	673,561	130,176	387,918	108,018	2,070,129	12,796,237	19.8
WEST COAST CENTRAL AMERICA:										
Costa Rica	.....	.....	.....	.....	.....	497	.....	497	145,653	0.2
El Salvador	1,274	.....	.....	.....	.....	.....	.....	.....	238,127	0.4
Guatemala	4,142	.....	.....	.....	.....	343	.....	343	340,037	0.5
Honduras	.....	.....	.....	.....	.....	.....	11,405	11,405	66,581	0.1
Mexico	2,202	5,954	.....	.....	.....	.....	.....	5,954	642,195	1.0
Nicaragua	.....	28,864	.....	.....	.....	.....	5,429	34,293	164,868	0.3
Panama	44,341	.....	.....	.....	.....	.....	1,679	1,679	331,008	0.5
Central America (other) [1]	.....	.....	.....	.....	.....	.....	.....	.....	181,949	0.3
Balboa, R.P. [2]	.....	.....	.....	.....	.....	.....	.....	.....	2,355	0.0
Total Central America	51,959	34,818	.....	.....	.....	840	18,513	54,171	2,112,773	3.3
WEST COAST SOUTH AMERICA:										
Chile	15,681	.....	940	.....	.....	7,997	790	9,727	3,478,475	5.4
Colombia	.....	.....	.....	.....	.....	.....	.....	.....	1,419,373	2.2
Ecuador	23,607	.....	.....	.....	.....	.....	2,823	2,823	7,568,509	11.7
Peru	20,559	.....	.....	.....	.....	.....	9,882	9,882	5,161,057	8.0
South America (other) [1]	4,830	.....	.....	.....	.....	1,504	10,337	11,841	1,018,773	1.6
Total South America	64,677	.....	940	.....	.....	9,501	23,832	34,273	18,646,187	28.9
OCEANIA:										
Australia	.....	.....	.....	.....	.....	.....	.....	.....	2,751,658	4.3
British Oceania	.....	.....	.....	.....	.....	.....	.....	.....	260,751	0.4
French Oceania	.....	.....	.....	.....	.....	.....	.....	.....	138,819	0.2
New Zealand	.....	43,179	.....	1,968	.....	.....	499	45,646	820,344	1.3
Oceania (other) [1]	.....	.....	.....	.....	.....	.....	.....	.....	463,785	0.7
Total Oceania	.....	43,179	.....	1968	.....	.....	499	45,646	4,435,357	6.9

ASIA:										
China									1,674,929	2.6
Taiwan	411								957,556	1.5
Hong Kong	86								463,893	0.7
Indonesia									526,203	0.8
Japan	943				100		5,218	5,218	8,426,137	13.1
Philippine Islands									498,791	0.8
Singapore									422,508	0.7
South Korea	9						710	710	1,065,116	1.7
Thailand									230,980	0.4
U.S.S.R.									244,906	0.4
Asia (other) [1]	8,158								3,052,478	4.7
Total Asia	9,607				100		5,928	6,028	17,563,497	27.2
Grand total	432,989	404,194	865,319	761,023	194,992	398,259	332,301	2,956,088	64,492,298	
Percent of Atlantic-Bound Cargo	0.7	0.6	132	1.2	0.3	0.6	0.5	4.6		100.0

[1] Also includes cargo not routed to permit segregation between definite countries.
[2] Includes both local and transshipped cargo.

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST UNITED STATES TO WEST COAST			
UNITED STATES:			
Canned and refrigerated foods, miscellaneous	5	1	1
Chemicals and petroleum chemicals	321	383	309
Caustic soda	93	188	127
Chemicals, unclassified	116	86	54
Petroleum chemicals, miscellaneous	112	109	128
Machinery and equipment, miscellaneous	.....	3	8
Manufactures of iron and steel	.....	14	.....
Other and unclassified	.....	14	.....
Nitrates, phosphates, and potash	38	64	76
Ammonium compounds	16	15	49
Phosphates	22	49	27
Ores and metals	.....	137	30
Ore, alumina/bauxite	.....	137	30
Petroleum and products	530	479	800
Fuel oil, residual	37	61	381
Gasoline	147	75	87
Jet fuel	28	32	45
Lubricating oil	260	251	186
Petroleum coke	57	.....	.....
Other and unclassified	1	60	101
Miscellaneous	472	514	413
All other and unclassified	472	514	413
Total	1,366	1,595	1,637
EAST COAST UNITED STATES TO WEST COAST CANADA:			
Nitrates, phosphates, and potash	808	937	569
Phosphates	808	937	569
Miscellaneous	10	9	27
All other and unclassified	10	9	27
Total	818	946	596
EAST COAST UNITED STATES TO WEST COAST CENTRAL AMERICA:			
Chemicals and petroleum chemicals, miscellaneous	16	10	20
Coal	322	.....	88
Grains	760	697	1,924
Corn	95	227	860
Sorghum	131	104	379
Soybeans	294	148	461
Wheat	236	210	219
Other and unclassified	4	8	5
Lumber and products, miscellaneous	.....	6	2
Machinery and equipment, miscellanous	.....	2	3
Manufactures of iron and steel, miscellaneous	2	.....	5
Minerals, miscellaneous	.....	13	1
Borax	.....	.....	1
Soda and sodium compounds	.....	8	.....
Sulfur	.....	5	.....
Nitrates, phosphates, and potash	490	291	334
Ammonium compounds	116	76	117
Fertilizers, unclassified	136	85	121
Phosphates	219	119	71
Potash	19	11	25
Other agricultural commodities	59	89	77
Oilseeds	59	26	55

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST UNITED STATES TO WEST COAST CENTRAL AMERICA—Continued			
Other agricultural commodities—Continued			
Sugar	.....	63	22
Petroleum and products	171	95	54
Diesel oil	37	.....	2
Gasoline	13	1	2
Fuel oil, residual	94	78	45
Lubricating oil	6	10	5
Petroleum products, miscellaneous	21	6	.....
Miscellaneous	64	78	85
Flour, wheat	1	.....	2
Paper and paper products	17	23	30
Tallow	22	14	10
All other and unclassified	24	41	43
Total	1,884	1,281	2,593
EAST COAST UNITED STATES TO WEST COAST SOUTH AMERICA:			
Canned and refrigerated foods, miscellaneous	23	36	29
Chemicals and petroleum chemicals	231	183	186
Caustic soda	61	42	45
Chemicals, unclassified	164	128	134
Petroleum chemicals, miscellaneous	6	13	7
Coal and coke	162	161	227
Grains	1,772	2,806	3,100
Corn	91	347	619
Oats	1	3	7
Rice	37	85	20
Sorghum	85	22	122
Soybeans	154	137	162
Wheat	1,403	2,210	2,165
Other and unclassified	1	2	5
Lumber and products	8	7	15
Pulpwood	4	5	13
Other and unclassified	4	2	2
Machinery and equipment	52	66	67
Agricultural machinery and implements	15	18	19
Automobiles, trucks, accessories, and parts	14	19	22
Construction machinery and equipment	14	18	13
Electrical machinery and apparatus	6	8	6
Other and unclassified	3	3	7
Manufactures of iron and steel	26	30	30
Angles, shapes, and sections	5	3	9
Plates, sheets, and coils	5	6	4
Tubes, pipes, and fittings	7	12	7
Wire, bars, and rods	3	3	8
Other and unclassified	6	6	2
Minerals, miscellaneous	45	14	23
Soda and sodium compounds	36	14	18
Sulfur	7	.....	2
Other and unclassified	2	.....	3
Nitrates, phosphates, and potash	445	417	282
Ammonium compounds	13	22	8
Fertilizers, unclassified	147	230	150
Phosphates	261	147	111
Potash	24	18	13
Ores and metals	158	132	46
Ores, miscellaneous	26	5	7

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST UNITED STATES TO WEST COAST SOUTH AMERICA—Continued			
Ores and metals—Continued			
Metals	132	127	39
Scrap	127	111	30
Tin, including tinplate	3	2	3
Other and unclassified	2	14	6
Other agricultural commodities	5	44	10
Oilseeds	4	1	5
Sugar	.....	43	2
Other and unclassified	1	.....	3
Petroleum and products	256	466	439
Diesel oil	65	183	130
Gasoline	75	142	134
Jet fuel	.....	5	12
Liquified natural gas	52	54	54
Lubricating oil	25	37	37
Residual fuel oil	29	38	29
Other and unclassified	10	7	43
Miscellaneous	577	665	670
Bricks and tile	3	3	3
Carbon black	1	.....	1
Clay, fire, and china	13	17	10
Flour, wheat	15	44	59
Groceries, miscellaneous	2	.....	7
Oil, coconut	1	3	4
Oil, vegetable	54	66	127
Paper and paper products	111	109	99
Resin	36	23	33
Rubber, manufactured	4	6	7
Tallow	33	43	49
Textiles	7	9	8
All other and unclassified	297	342	263
Total	3,760	5,027	5,124
EAST COAST UNITED STATES TO BALBOA, R.P.:			
Canned and refrigerated foods, miscellaneous	9	8	8
Grains	84	88	93
Corn	33	26	35
Wheat	51	60	48
Other and unclassified	.....	2	10
Machinery and equipment, miscellaneous	1	4	4
Ores and metals, miscellaneous	7	3	4
Petroleum and products	169	186	248
Diesel	63	25	.....
Fuel oil, residual	98	140	237
Other and unclassified	8	21	11
Miscellaneous	128	140	144
Oil, vegetable	11	14	14
All other and unclassified	117	126	130
Total	398	429	501
EAST COAST UNITED STATES TO HAWAII:			
Miscellaneous	46	29	53
All other and unclassified	46	29	53
Total	46	29	53
EAST COAST UNITED STATES TO OCEANIA:			
Chemicals and petroleum chemicals	519	705	570

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST UNITED STATES TO OCEANIA—Continued			
Chemicals and petroleum chemicals—Continued			
Caustic soda	430	560	390
Chemicals, unclassified	82	145	172
Petroleum chemicals, miscellaneous	7	.....	8
Coal and coke	.....	.....	30
Grains	48	32	116
Rice	.....	.....	1
Soybeans	48	29	105
Other and unclassified	.....	3	10
Lumber and products	2	9	.....
Pulpwood	2	9	.....
Machinery and equipment	11	13	12
Agricultural machinery and implements	1	8	2
Automobiles, trucks, accessories and parts	4	1	1
Construction machinery and equipment	5	2	6
Electrical machinery and apparatus	.....	.....	1
Other and unclassified	1	2	2
Manufactures of iron and steel, miscellaneous	.....	.....	3
Minerals, miscellaneous	10	.....	1
Nitrates, phosphates, and potash	743	500	710
Ammonium compounds	10	13	8
Fertilizers, unclassified	191	122	184
Phosphates	510	348	513
Potash	32	17	5
Petroleum and products	338	265	293
Diesel oil	44	.....	.....
Liquefied gas	105	66	21
Lubricating oil	23	16	8
Residual fuel oil	.....	2	144
Petroleum coke	156	177	101
Other and unclassified	10	4	19
Miscellaneous	445	612	574
Clay, fire and china	24	.....	11
Glass and glassware	.....	.....	2
Oil, vegetable	3	4	3
Paper and paper products	18	27	35
Resin	1	12	19
Rubber, manufactured	.....	1	1
All other and unclassified	399	568	503
Total	2,116	2,136	2,309
EAST COAST UNITED STATES TO ASIA:			
Canned and refrigerated foods	111	177	189
Canned foods, miscellaneous	3	6	7
Refrigerated foods	108	171	182
Fruit	28	104	89
Meat	1	1	2
Other and unclassified	79	66	91
Chemicals and petroleum chemicals	1,919	2,148	2,257
Caustic soda	41	49	56
Chemicals, unclassified	1,340	1,423	1,494
Petroleum chemicals, miscellaneous	538	676	707
Coal and coke	7,990	7,838	8,729
Grains	17,731	20,962	29,326
Barley	31	.....	104
Corn	7,853	8,878	20,103
Rice	1	.....	25

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST UNITED STATES TO ASIA—Continued			
Grains—Continued			
Sorghum	2,033	1,195	834
Soybeans	5,725	6,148	6,264
Wheat	1,984	4,679	1,955
Other and unclassified	104	62	41
Lumber and products	284	229	281
Pulpwood	279	225	258
Other and unclassified	5	4	23
Machinery and equipment	49	49	67
Agricultural machinery and implements	5	4	6
Automobiles, trucks, accessories and parts	5	10	7
Construction machinery and equipment	14	10	23
Electrical machinery and apparatus	6	9	11
Other and unclassified	19	16	20
Manufactures of iron and steel	41	103	96
Angles, shapes, and sections	1	34	33
Plates, sheets, and coils	9	15	8
Tubes, pipes, and fittings	.....	3	21
Wires, bars, and rods	.....	.....	4
Other and unclassified	31	51	30
Minerals, miscellaneous	4	.....	1
Nitrates, phosphates, and potash	5,193	5,207	4,961
Ammonium compounds	122	93	47
Fertilizers, unclassified	249	329	401
Phosphates	4,810	4,775	4,477
Potash	12	10	36
Ores and metals	2,149	1,988	1,810
Ores, miscellaneous	64	7	25
Metals	2,085	1,981	1,785
Aluminum	1	26	26
Iron	24	.....	69
Scrap	2,048	1,946	1,654
Tin, including tinplate	1	1	3
Other and unclassified	11	8	33
Other agricultural commodities	6	24	59
Beans, edible	2	22	34
Cotton, raw	4	.....	23
Other and unclassified	.....	2	2
Petroleum and products	821	598	1,234
Gasoline	3	4	18
Liquefied gas	130	178	360
Lubricating oil	71	103	58
Petroleum coke	447	260	590
Diesel	.....	34	24
Residual fuel oil	50	.....	145
Jet fuel	28	.....	29
Other and unclassified	92	19	10
Miscellaneous	4,678	4,689	4,039
Bricks and tile	1	.....	1
Carbon black	24	.....	.....
Clay, fire and china	364	320	323
Fibers, plant	6	21	15
Flour, wheat	4	50	103
Groceries, miscellaneous	16	12	7
Marble and stone	9	16	11
Oil, vegetable	70	67	47
Paper and paper products	184	164	243

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST UNITED STATES TO ASIA—Continued			
Miscellaneous—Continued			
Resin	181	80	106
Rubber, manufactured	7	27	5
Tallow	2	2	6
Textiles	50	27	17
Tobacco and manufactures	4	7	45
All other and unclassified	3,756	3,896	3,110
Total	40,976	44,012	53,049
EAST COAST CANADA TO WEST COAST UNITED STATES:			
Miscellaneous	19	46	11
Pulpwood	.....	1	2
All other and unclassified	19	45	9
Total	19	46	11
EAST COAST CANADA TO WEST COAST CENTRAL AMERICA:			
Manufactures of iron and steel, miscellaneous	24	.....	1
Miscellaneous	20	36	57
Paper and paper products	11	12	10
All other and unclassified	9	24	47
Total	44	36	58
EAST COAST CANADA TO WEST COAST SOUTH AMERICA:			
Grains	.....	5	8
Barley	.....	5	5
Other and unclassified	.....	.....	3
Machinery and equipment, miscellaneous	.....	5	5
Manufactures of iron and steel, miscellaneous	.....	4	17
Minerals, miscellaneous	9	12	13
Asbestos	9	12	13
Ores and metals	1	2	1
Metals	1	2	1
Tin, including tinplate	1	.....	.....
Other and unclassified	.....	2	1
Miscellaneous	79	107	89
Paper and paper products	33	48	45
All other and unclassified	46	59	44
Total	89	135	133
EAST COAST CANADA TO OCEANIA:			
Miscellaneous	109	129	100
Paper and paper products	.....	10	.....
All other and unclassified	109	119	100
Total	109	129	100
EAST COAST CANADA TO ASIA:			
Canned and refrigerated foods	51	43	49
Refrigerated foods	51	43	49
Fish	23	25	31
Other and unclassified	28	18	18
Chemicals and petroleum chemicals, miscellaneous	5	.....	4
Grains	107	176	88
Soybeans	79	176	45
Wheat	.....	.....	43
Other and unclassified	28	.....	.....
Lumber and products	185	228	146
Pulpwood	185	226	144
Other and unclassified	.....	2	2

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST CANADA TO ASIA—Continued			
Machinery and equipment, miscellaneous	2	1	.....
Manufactures of iron and steel, miscellaneous	25	42	58
Ores and metals	355	335	550
Ores, miscellaneous	48	117	108
Metals	307	218	442
Aluminum	45	40	142
Copper	59	30	24
Iron	48	9	87
Scrap	124	118	160
Other and unclassified	31	51	53
Miscellaneous	796	650	674
Paper and paper products	193	70	105
Resin	59	16	26
Slag	.....	.....	15
All other and unclassified	544	564	528
Total	1,526	1,475	1,569
EAST COAST CENTRAL AMERICA TO WEST COAST UNITED STATES:			
Nitrates, phosphates, and potash	.....	14	28
Amonium compounds	.....	14	15
Fertilizers, unclassified	.....	.....	13
Miscellaneous	.....	14	19
All other and unclassified	.....	14	19
Total	.....	28	47
EAST COAST CENTRAL AMERICA TO WEST COAST CENTRAL AMERICA:			
Nitrates, phosphates, and potash	536	132	102
Ammonium compounds	45	25	.....
Phosphates	86	.....	.....
Fertilizers	405	107	102
Petroleum and products	3,022	4,092	3,247
Asphalt	49	17	.....
Crude oil	745	931	1,378
Diesel oil	111	79	139
Liquefied gas	327	312	198
Fuel oil, residual	1,734	2,337	1,396
Gasoline	17	.....	.....
Other and unclassified	39	416	136
Miscellaneous	24	16	3
All other and unclassified	24	16	3
Total	3,582	4,240	3,352
EAST COAST CENTRAL AMERICA TO WEST COAST SOUTH AMERICA:			
Nitrates, phosphates, and potash	2	26	20
Fertilizers, miscellaneous	2	26	20
Other agricultural commodities	.....	5	.....
Sugar	.....	5	.....
Petroleum and products	138	70	5
Other and unclassified	138	70	5
Miscellaneous	46	106	39
All other and unclassified	46	106	39
Total	186	207	64

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST CENTRAL AMERICA TO BALBOA, R.P.:			
Petroleum and products	104	65	56
Diesel oil	30	4	33
Fuel, oil, residual	73	61	23
Other and unclassified	1	.....	.....
Total	104	65	56
EAST COAST CENTRAL AMERICA TO OCEANIA:			
Petroleum products	.....	46	.....
Miscellaneous	12	11	4
All other and unclassified	12	11	4
Total	12	57	4
EAST COAST CENTRAL AMERICA TO ASIA:			
Chemicals and petroleum chemicals	19	13	10
Nitrates, phosphates, and potash	18	.....	10
Fertilizers, miscellaneous	18	.....	10
Ores and metals, miscellaneous	90	43	61
Other agricultural commodities	2	2	11
Coffee	2	2	11
Petroleum and products	.....	.....	56
Crude petroleum	.....	.....	56
Miscellaneous	109	73	76
All other and unclassified	109	73	76
Total	238	131	224
EAST COAST SOUTH AMERICA TO WEST COAST UNITED STATES:			
Canned and refrigerated foods, miscellaneous	9	16	2
Chemicals and petroleum chemicals	77	74	90
Lumber and products, miscellaneous	26	31	24
Manufactures of iron and steel, miscellaneous	648	171	181
Ores and metals	76	30	44
Ores	74	27	44
Alumina/bauxite	64	27	24
Other and unclassified	10	.....	20
Metals, miscellaneous	2	3	.....
Other agricultural commodities	9	6	11
Cocoa and cacao beans	1	.....	1
Coffee	8	6	5
Sugar, raw	.....	.....	5
Petroleum and products	95	450	480
Asphalt	.....	107	56
Crude oil	.....	136	258
Diesel oil	22	.....	29
Fuel oil, residual	.....	62	50
Gasoline	28	89	87
Jet fuel	42	32	.....
Liquefied gas	.....	24	.....
Petroleum products, miscellaneous	1	.....	.....
Miscellaneous	140	97	38
Paper and products	9	10	23
All other and unclassified	131	87	15
Total	1,080	875	870

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST SOUTH AMERICA TO WEST COAST CANADA:			
Manufactures of iron and steel	26	43	33
Miscellaneous	18	16	.....
All other and unclassified	18	16	.....
Total	44	59	33
EAST COAST SOUTH AMERICA TO WEST COAST CENTRAL AMERICA:			
Coal	77	103	79
Grains	49	205	.....
Sorghum	21	.....	.....
Soybeans	28	197	.....
Other and unclassified	.....	8	.....
Nitrates, phosphates, and potash	17	23	55
Fertilizers, miscellaneous	17	23	55
Petroleum and products	687	594	669
Crude oil	659	594	667
Liquefied gas	.....	.....	2
Other and unclassified	28	.....	.....
Other agricultural commodities	.....	12	52
Sugar	.....	12	52
Miscellaneous	30	48	7
All other and unclassified	30	48	7
Total	860	985	862
EAST COAST SOUTH AMERICA TO WEST COAST SOUTH AMERICA:			
Chemicals and petroleum chemicals, miscellaneous	8	18	12
Grains	1	7	2
Oats	1	1	2
Grains, miscellaneous	.....	6	.....
Manufactures of iron and steel	170	87	34
Minerals, miscellaneous	6	.....	.....
Salt	6	.....	.....
Nitrates, phosphates, and potash	91	57	62
Fertilizers, unclassified	91	57	62
Ores and metals	13	28	26
Ore, alumina/bauxite	6	18	14
Metals, miscellaneous	7	10	12
Other agricultural commodities	.....	.....	18
Sugar	.....	.....	13
Other and unclassified	.....	.....	5
Petroleum and products	1,582	1,568	1,654
Crude oil	1,133	1,085	1,116
Diesel oil	77	102	168
Fuel oil, residual	32	26	112
Gasoline	271	224	180
Jet fuel	9	25	18
Liquefied gas	.....	.....	4
Lubricating oil	42	23	44
Other and unclassified	18	83	12
Miscellaneous	45	64	48
All other and unclassified	45	64	48
Total	1,916	1,829	1,856
EAST COAST SOUTH AMERICA TO BALBOA, R.P.:			
Petroleum and products	71	42	74
Diesel oil	65	20	19

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EAST COAST SOUTH AMERICA TO BALBOA, R.P.—Continued			
Petroleum and products—Continued			
Gasoline	1	22	8
Fuel oil, residual	5	.....	47
Miscellaneous	7	5	4
All other and unclassified	7	5	4
Total	78	47	78
EAST COAST SOUTH AMERICA TO HAWAII:			
Petroleum and products	60	59	.....
Jet fuel	60	26	.....
Kerosene	.....	33	.....
Total	60	59	.....
EAST COAST SOUTH AMERICA TO OCEANIA:			
Petroleum and products	29	30	25
Miscellaneous	3	3	47
All other and unclassified	3	3	47
Total	32	33	72
EAST COAST SOUTH AMERICA TO ASIA:			
Canned and refrigerated foods, miscellaneous	15	22	19
Chemicals and petroleum chemicals, miscellaneous	70	47	38
Grains, miscellaneous	53	.....	.....
Lumber and products, miscellaneous	42	32	29
Manufactures of iron and steel, miscellaneous	357	88	143
Nitrates, phosphates, and potash	.....	.....	2
Fertilizers, miscellaneous	.....	.....	2
Ores and metals	364	290	323
Ores	146	121	103
Alumina/bauxite	14	49	16
Iron	64	.....	10
Manganese	66	37	74
Other and unclassified	2	35	3
Metals, miscellaneous	218	169	220
Other agricultural commodities	5	.....	4
Cotton, raw	3	.....	2
Other and unclassified	2	.....	2
Petroleum and products	632	1,031	1,093
Crude oil	508	892	846
Diesel oil	29	.....	61
Gasoline	34	.....	53
Jet fuel	61	92	30
Liquefied gas	.....	.....	8
Residual fuel oil	.....	.....	48
Other and unclassified	.....	47	47
Miscellaneous	29	27	32
Paper and products	.....	16	.....
All other and unclassified	29	11	32
Total	1,567	1,537	1,683
WEST INDIES TO WEST COAST UNITED STATES:			
Chemicals and petroleum chemicals, miscellaneous	.....	17	.....
Manufactures of iron and steel	30	30	33
Minerals, miscellaneous	38	24	24
Salt	38	24	24
Nitrates, phosphates and potash	63	82	.....
Ores and metals	57	253	251
Ore, alumina/bauxite	57	184	251

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST INDIES TO WEST COAST UNITED STATES—Continued			
Ores and metals—Continued			
Metals, miscellaneous	.....	69	.....
Petroleum and products	166	233	487
Asphalt	.....	27	31
Liquefied gas	.....	17	.....
Fuel oil, residual	.....	60	287
Gasoline	43	.....	58
Jet fuel	106	60	64
Lubricating oil	17	69	47
Miscellaneous	.....	46	.....
All other and unclassified	.....	16	.....
Total	354	655	795
WEST INDIES TO WEST COAST CENTRAL AMERICA:			
Chemicals and petroleum chemicals, miscellaneous	1	2	1
Other agricultural commodities	3	18	11
Sugar	3	18	11
Petroleum and products	135	187	265
Crude oil	.....	.....	34
Diesel oil	44	81	97
Fuel oil, residual	8	.....	7
Gasoline	54	49	78
Kerosene	15	16	17
Lubricating oil	5	6	4
Other and unclassified	9	36	28
Miscellaneous	71	71	45
Cement	15	4	6
All other and unclassified	56	67	39
Total	210	278	322
WEST INDIES TO WEST COAST SOUTH AMERICA:			
Chemicals and petroleum chemicals, miscellaneous	.....	.....	3
Nitrates, phosphates and potash	41	.....	.....
Other agricultural commodities	.....	53	47
Minerals, miscellaneous	2	6	9
Sulfur	2	6	9
Ores and metals	13	12	.....
Ores, miscellaneous	8	7	.....
Metals, miscellaneous	5	5	.....
Petroleum and products	567	733	975
Crude oil	.....	.....	45
Diesel oil	232	357	363
Fuel oil, residual	76	91	53
Gasoline	138	147	379
Jet fuel	16	5	28
Kerosene	7	39	26
Liquefied gas	.....	.....	7
Lubricating oil	98	79	56
Other and unclassified	.....	15	18
Miscellaneous	7	16	27
All other and unclassified	7	16	27
Total	630	820	1,061
WEST INDIES TO BALBOA, R.P.:			
Petroleum and products	64	97	297
Diesel oil	55	28	110

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST INDIES TO BALBOA, R.P.—Continued			
Petroleum and products—Continued			
Fuel oil, residual	3	5	117
Gasoline	1	22	65
Other and unclassified	5	42	5
Total	64	97	297
WEST INDIES TO HAWA'I:			
Petroleum and products	115	268	323
Diesel oil	.....	.....	16
Jet fuel	61	268	297
Residual fuel oil	54	.....	10
Total	115	268	323
WEST INDIES TO OCEANIA:			
Minerals, miscellaneous	26	38	44
Salt	26	38	44
Other agricultural commodities	.....	41	.....
Sugar	.....	41	.....
Petroleum and products	57	180	99
Diesel oil	.....	46	16
Gasoline	29	78	48
Jet fuel	.....	34	28
Lubricating oil	5	4	.....
Other and unclassified	23	18	7
Miscellaneous	.....	3	4
All other and unclassified	.....	3	4
Total	83	262	147
WEST INDIES TO ASIA:			
Canned and refrigerated foods	14	25	14
Fish, refrigerated	10	19	7
Other and unclassified	4	6	7
Chemicals and petroleum chemicals, miscellaneous	71	38	49
Ores and metals	46	36	46
Ores	46	31	39
Alumina/bauxite	43	26	39
Other and unclassified	3	5	.....
Metals, miscellaneous	.....	5	7
Other agricultural commodities	1,264	1,162	1,394
Sugar	1,264	1,161	1,393
Other and unclassified	.....	1	1
Petroleum and products	54	70	439
Crude oil	10	.....	.....
Liquefied gas	.....	.....	86
Gasoline	.....	.....	78
Jet fuel	.....	.....	71
Fuel oil, residual	.....	.....	138
Lubricating oil	44	38	66
Petroleum products, miscellaneous	.....	32	.....
Miscellaneous	164	22	34
All other and unclassified	164	22	34
Total	1,613	1,353	1,976
EUROPE TO WEST COAST UNITED STATES:			
Canned and refrigerated foods, miscellaneous	64	46	39
Chemicals and petroleum chemicals	99	23	24
Caustic soda	10	5	2

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EUROPE TO WEST COAST UNITED STATES—Continued			
Chemicals and petroleum chemicals—Continued			
Chemicals, unclassified	89	18	22
Lumber and products, miscellaneous	21	20	17
Machinery and equipment	246	193	150
Automobiles, trucks, accessories and parts	226	185	138
Construction machinery and equipment	8	5	4
Electrical machinery and apparatus	5	1	5
Other and unclassified	7	2	3
Manufactures of iron and steel	729	780	610
Angles, shapes, and sections	69	53	34
Plates, sheets, and coils	389	469	379
Tubes, pipes, and fittings	48	33	14
Wires, bars, and rods	63	108	41
Other and unclassified	160	117	142
Nitrates, phosphates, and potash	358	346	244
Ammonium compounds	119	100	63
Fertilizers, unclassified	210	200	159
Nitrate of soda	28	42	22
Other and unclassified	1	4	.....
Ores and metals	82	51	92
Ores, miscellaneous	56	12	20
Metals	26	39	72
Iron	20	29	63
Other and unclassified	6	10	9
Petroleum and products	252	53	23
Gasoline	248	27	23
Other and unclassified	4	26	.....
Miscellaneous	1,623	1,428	953
Bricks and tile	25	10	8
Cement	207	92	35
Glass and glassware	1	1	2
Liquors and wines	6	6	8
Marble and stone	7	9	2
Paper and paper products	181	201	57
Rubber, manufactured	1	1	.....
All other and unclassified	1,195	1,108	841
Total	3,474	2,940	2,152
EUROPE TO WEST COAST CANADA:			
Canned and refrigerated foods, miscellaneous	6	7	5
Machinery and equipment	16	13	14
Automobiles, trucks, accessories and parts	15	6	5
Other and unclassified	1	7	9
Manufactures of iron and steel	193	137	68
Angles, shapes, and sections	15	22	7
Plates, sheets, and coils	84	43	27
Tubes, pipes, and fittings	25	16	2
Wire, bars, and rods	26	26	6
Other and unclassified	43	30	26
Nitrates, phosphates, and potash	8	7	11
Fertilizers, unclassified	8	7	.....
Ores and metals	11	89	.....
Miscellaneous	166	194	164
Bricks and tile	3	1	.....
Liquors and wines	2	1	3
All other and unclassified	161	192	161
Total	400	447	262

READEX FICHE

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EUROPE TO WEST COAST CENTRAL AMERICA:			
Canned and refrigerated foods, miscellaneous	17	4	1
Chemicals and petroleum chemicals, miscellaneous	19	13	38
Grains	128	53	33
Corn	5	4	1
Rice	55	14	5
Wheat	51	30	25
Other and unclassified	17	5	2
Machinery and equipment	55	41	24
Automobiles, trucks, accessories and parts	22	9	10
Other and unclassified	33	32	14
Manufactures of iron and steel	90	46	64
Angles, shapes, and sections	24	11	11
Plates, sheets, and coils	30	15	21
Tubes, pipes, and fittings	4	2	.....
Wire, bars, and rods	23	14	15
Other and unclassified	9	4	17
Nitrates, phosphates, and potash	327	271	267
Ammonium compounds	47	20	35
Fertilizers, unclassified	262	240	204
Potash	18	11	28
Ores and metals	28	10	9
Metals, miscellaneous	28	10	9
Petroleum and products	415	239	3
Crude pertroleum	342	201	.....
Other and uncalssified	73	38	3
Other agricultural commodities	.....	25	101
Sugar	.....	25	101
Miscellaneous	143	139	125
Cement	1	1	.....
Glass and glassware	1	.....	1
Paper and paper products	17	14	4
All other and unclassified	124	124	120
Total	1,232	841	665
EUROPE TO WEST COAST SOUTH AMERICA:			
Canned and refrigerated foods	26	26	28
Canned foods	17	21	14
Milk	.....	16	11
Other and unclassified	17	5	3
Refrigerated foods	9	5	14
Dairy products	3	3	3
Other and unclassified	6	2	11
Chemicals and petroleum chemicals	59	63	58
Caustic soda	10	4	4
Chemicals, unclassified	48	56	51
Petroleum chemicals, miscellaneous	1	3	3
Coal and coke	.....	13	8
Grains	41	47	83
Barley	5	5	1
Oats	4	3	16
Wheat	17	16	19
Rice	.....	5	20
Other and unclassified	15	18	27
Lumber and products	.....	3	1
Pulpwood	.....	1	.....
Other and unclassified	.....	2	1

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EUROPE TO WEST COAST SOUTH AMERICA—Continued			
Machinery and equipment	71	93	109
Agricultural machinery and implements	13	17	20
Automobiles, trucks, accessories and parts	19	22	26
Construction machinery and equipment	19	27	35
Electrical machinery and apparatus	12	15	14
Other and unclassified	8	12	14
Manufactures of iron and steel	149	115	121
Angles, shapes, and sections	31	16	16
Plates, sheets, and coils	60	48	46
Tubes, pipes, and fittings	11	13	13
Wire, bars, and rods	36	19	14
Other and unclassified	11	19	32
Minerals, miscellaneous	43	22	37
Soda and sodium compounds	39	22	36
Other and unclassified	4	.....	1
Nitrates, phosphates, and potash	116	82	111
Ammonium compounds	26	16	24
Fertilizers, unclassified	57	48	47
Phosphates	7	7	20
Potash	25	10	19
Other and unclassified	1	1	1
Ores and metals	132	21	16
Ores, miscellaneous	120	4	1
Metals	12	17	15
Iron	1	1	3
Tin, including tinplate	1	8	5
Other and unclassified	10	8	7
Other agricultural commodities	10	52	75
Sugar	2	52	69
Other and unclassified	8	.....	6
Petroleum and products	119	64	131
Diesel oil	76	42	53
Gasoline	.....	4	23
Liquefied gas	.....	.....	27
Residual fuel oil	37	10	20
Other and unclassified	6	8	8
Miscellaneous	613	478	414
Ammunition and explosives	1	1	2
Bricks and tile	.....	5	6
Cement	.....	3	2
Flour, wheat	23	41	29
Glass and glassware	6	6	6
Groceries, miscellaneous	7	3	9
Liquors and wines	.....	2	7
Oil, vegetable	3	1	.....
Paper and paper products	49	33	39
Resin	6	6	8
Rubber, manufactured	1	3	5
Textiles	3	7	5
Wax, paraffin	3	7	4
All other and unclassified	511	360	292
Total	1,379	1,079	1,192
EUROPE TO OCEANIA:			
Canned and refrigerated foods, miscellaneous	13	15	14
Chemicals and petroleum chemicals	139	164	111
Caustic soda	33	45	30

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EUROPE TO OCEANIA—Continued			
Chemicals and petroleum chemicals—Continued			
Chemicals, unclassified	96	108	67
Petroleum chemicals, miscellaneous	10	11	14
Lumber and products, miscellaneous	3	28	4
Machinery and equipment	22	24	31
Agricultural machinery and implements	1	1	1
Automobiles, trucks, accessories and parts	16	14	11
Construction machinery and equipment	2	3	12
Electrical machinery and apparatus	1	2	3
Other and unclassified	2	4	4
Manufactures of iron and steel	22	28	29
Angles, shapes, and sections	.....	4	5
Plates, sheets, and coils	7	7	7
Tubes, pipes, and fittings	5	7	3
Wire, bars, and rods	6	6	6
Other and unclassified	4	4	8
Minerals, miscellaneous	9	10	7
Salt	6	9	6
Soda and sodium compounds	3	1	1
Nitrates, phosphates, and potash	82	69	51
Ammonium compounds	26	13	1
Fertilizers, unclassified	33	19	32
Phosphates	1	.....	17
Potash	22	37	1
Ores and metals, miscellaneous	2	2	.....
Other agricultural commodities, miscellaneous	4	6	9
Petroleum and products	19	60	5
Lubricating oil	9	7	2
Other and unclassified	10	53	3
Miscellaneous	465	485	505
Bricks and tile	2	2	1
Cement	13	18	16
Flour, wheat	8	12	9
Glass and glassware	2	2	2
Groceries, miscellaneous	1	4	2
Liquors and wines	2	2	9
Oil, vegetable	16	26	16
Paper and paper products	5	9	6
Rubber, manufactured	1	.....	1
Textiles	1	.....	1
All other and unclassified	414	410	442
Total	780	891	766
EUROPE TO ASIA:			
Canned and refrigerated foods	26	14	13
Refrigerated foods, miscellaneous	26	14	13
Chemicals and petroleum chemicals	218	251	283
Caustic soda	21	19	13
Chemicals, unclassified	161	219	234
Petroleum chemicals, miscellaneous	36	13	36
Lumber and products, miscellaneous	.....	2	.....
Machinery and equipment	10	7	9
Automobiles, trucks, accessories and parts	10	7	9
Manufactures of iron and steel	56	.....	.....
Ores and metals, miscellaneous	14	48	.....
Petroleum and products, miscellaneous	34	54	53
Miscellaneous	69	67	104

Table 10.—Important Commodity Shipments Over Principal Trade Routes Atlantic to Pacific—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
EUROPE TO ASIA—Continued			
Miscellaneous—Continued			
Paper and paper products	2	.....	17
All other and unclassified	67	67	87
Total	427	443	462
AFRICA TO WEST COAST UNITED STATES:			
Canned and refrigerated foods, miscellaneous	3	.....	.....
Manufactures of iron and steel, miscellaneous	82	88	76
Ores and metals	35	40	22
Metals	14	14	11
Other and unclassified	14	14	11
Ores	21	26	11
Manganese ore	16	21	3
Lead ore	.....	.....	8
Other and unclassified	5	5	.....
Petroleum and products	37	143	177
Crude oil	.....	59	147
Gasoline	37	28	30
Other and unclassified	.....	56	.....
Miscellaneous	16	21	6
All other and unclassified	16	21	6
Total	173	292	281
AFRICA TO WEST COAST CANADA:			
Manufactures of iron and steel, miscellaneous	4	.....	4
Miscellaneous	39	4	7
Phosphates	35	.....	.....
All other and unclassified	4	4	7
Total	43	4	11
AFRICA TO WEST COAST SOUTH AMERICA:			
Manufactures of iron and steel, miscellaneous	.....	.....	6
Miscellaneous	8	3	5
All other and unclassified	8	3	5
Total	8	3	11
AFRICA TO ASIA:			
Canned and refrigerated foods	38	68	61
Fish, refrigerated	38	68	59
Other and unclassified	.....	.....	2
Total	38	68	61
ASIA (MIDDLE EAST) TO WEST COAST UNITED STATES:			
Miscellaneous	128	61	61
Chemicals, miscellaneous	1	.....	39
Soybeans	54	.....	.....
Gasoline	26	.....	.....
Liquefied gas	.....	28	.....
All other and unclassified	47	33	22
Total	128	61	61

Table 11.—Important Commodity Shipments Over Principal Trade Routes Pacific to Atlantic

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST UNITED STATES TO EAST COAST UNITED STATES:			
Canned and refrigerated foods, miscellaneous	.....	1	8
Chemicals and petroleum chemicals	94	93	94
Chemicals, unclassified	85	90	78
Petroleum chemicals, miscellaneous	9	3	16
Lumber and products	.....	59	34
Minerals, miscellaneous	72	105	87
Soda and sodium compounds	72	68	87
Salt	.....	37	.....
Petroleum and products	2,271	2,553	6,663
Crude oil	1,766	1,816	5,923
Diesel oil	91	327	190
Fuel oil, residual	79	151	63
Gasoline	144	117	115
Lubricating oil	142	96	102
Other and unclassified	49	46	270
Miscellaneous	513	428	279
All other and unclassified	513	428	279
Total	2,950	3,239	7,165
WEST COAST UNITED STATES TO EAST COAST CANADA:			
Petroleum and products	269	327	26
Residual fuel oil	36	59	.....
Diesel oil	80	193	.....
Gasoline	.....	34	26
Petroleum coke	153	41	.....
Miscellaneous	2	28	8
All other and unclassified	2	28	8
Total	271	355	34
WEST COAST UNITED STATES TO EAST COAST SOUTH AMERICA:			
Canned and refrigerated foods	3	8	15
Canned foods, miscellaneous	3	5	5
Refrigerated foods	.....	3	10
Fruit, excluding bananas	.....	3	9
Other and unclassified	.....	.....	1
Chemicals and petroleum chemicals, miscellaneous	.....	8	3
Coke, coal type	.....	27	.....
Grains	.....	60	21
Wheat	.....	58	18
Other and unclassified	.....	2	3
Lumber and products	24	31	35
Pulpwood	24	31	30
Other and unclassified	.....	.....	5
Machinery and equipment, miscellaneous	.....	3	5
Manufactures of iron and steel, miscellaneous	.....	1	2
Minerals, miscellaneous	40	45	83
Borax	2	3	5
Salt	.....	6	20
Soda and sodium compounds	38	28	58
Infusorial earth	.....	8	.....
Nitrates, phosphates, and potash	.....	1	7
Fertilizers, unclassified	.....	.....	1
Potash	.....	.....	6
Ammonium compounds	.....	1	.....
Ores and metals	.....	1	1
Metals, miscellaneous	.....	1	1

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST UNITED STATES TO EAST COAST SOUTH AMERICA—Continued			
Other agricultural commodities	10	15	9
Beans, edible	6	11	2
Peas, dry	4	4	7
Petroleum and products	15	.....	1
Petroleum coke	15	.....	.....
Other and unclassified	.....	.....	1
Miscellaneous	62	80	46
Clay, fire and china	5	8	5
Flour, wheat	.....	1	.....
Oil, vegetable	3	6	.....
Paper and paper products	12	17	4
All other and unclassified	42	48	37
Total	154	279	228
WEST COAST UNITED STATES TO WEST INDIES:			
Canned and refrigerated foods, miscellaneous	3	1	5
Grains	67	95	77
Rice	67	95	77
Petroleum and products	883	1,091	1,316
Crude oil	.....	.....	287
Diesel oil	277	89	100
Gasoline	.....	.....	28
Residual fuel oil	594	918	800
Other and unclassified	12	84	101
Miscellaneous	4	7	4
All other and unclassified	4	7	4
Total	957	1,194	1,402
WEST COAST UNITED STATES TO EUROPE:			
Canned and refrigerated foods	121	71	123
Canned foods, miscellaneous	1	1	3
Refrigerated foods	120	70	120
Fish	54	4	5
Fruit, excluding bananas	11	10	40
Other and unclassified	55	56	75
Chemicals and petroleum chemicals, miscellaneous	66	65	95
Coal and coke	56	102	601
Grains	137	344	137
Rice	119	298	5
Wheat	18	46	132
Lumber and products	395	566	636
Boards and planks	141	222	222
Plywood, veneers, composition board	38	75	134
Pulpwood	201	217	257
Other and unclassified	15	52	23
Manufactures of iron and steel, miscellaneous	.....	2	.....
Minerals, miscellaneous	477	434	408
Borax	410	411	385
Sulfur	67	23	23
Nitrates, phosphates, and potash	9	1	1
Fishmeal	9	1	1
Ores and metals	48	81	112
Ores	3	43	68
Copper	.....	.....	50
Lead	.....	.....	4
Other and unclassified	3	43	14

Table 11.—Important Commodity Shipments Over Principal Trade Routes Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST UNITED STATES TO EUROPE—Continued			
Ores and metals—Continued			
Metals	45	38	44
Aluminum	27	8	.....
Copper	11	30	41
Lead	.....	.....	1
Tin, including tinplate	.....	.....	2
Other and unclassified	7	.....	.....
Other agricultural commodities	21	102	44
Beans, edible	.....	1	.....
Cotton, raw	21	41	40
Molasses	.....	43	.....
Oilseeds	.....	17	4
Petroleum and products	1,502	1,538	1,884
Diesel oil	99	.....	72
Petroleum coke	1,279	1,538	1,512
Residual fuel oil	123	.....	195
Other and unclassified	1	.....	105
Miscellaneous	770	669	700
Clay, fire and china	11	16	21
Groceries, miscellaneous	.....	2	1
Oil, vegetable	15	6	7
Paper and paper products	26	55	56
Slag	15	.....	.....
All other and unclassified	703	590	615
Total	3,602	3,975	4,741
WEST COAST UNITED STATES TO AFRICA:			
Chemicals and petroleum chemicals, miscellaneous	.....	.....	1
Coke, coal type	.....	.....	53
Grains	576	636	506
Rice	185	.....	21
Wheat	391	583	485
Soybeans	.....	53	.....
Lumber and products, miscellaneous	.....	15	2
Minerals, miscellaneous	112	128	139
Sulfur	47	101	139
Soda and sodium compound	65	27	.....
Petroleum and products, miscellaneous	.....	28	.....
Miscellaneous	58	15	24
Flour, wheat	.....	.....	20
Oil, vegetable	.....	10	.....
All other and unclassified	58	5	4
Total	746	822	725
WEST COAST CANADA TO EAST COAST UNITED STATES:			
Chemicals and petroleum chemicals, miscellaneous	257	181	154
Coal and coke, coal type	74	.....	.....
Lumber and products	1,605	1,196	1,080
Boards and planks	1,520	1,188	1,000
Pulpwood	35	7	17
Other and unclassified	50	1	63
Minerals, miscellaneous	.....	49	11
Sulfur	.....	49	11
Nitrates, phosphates, potash	280	124	133
Ammonium compounds	.....	.....	14
Fertilizers, miscellaneous	.....	.....	29
Potash	280	124	90

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST CANADA TO EAST COAST UNITED STATES—Continued			
Ores and metals	1	.....	11
Other and unclassified	1	.....	11
Petroleum and products	100	85	213
Crude oil	56	.....	108
Diesel oil	44	85	53
Others and unclassified	.....	.....	52
Miscellaneous	21	11	29
All other and unclassified	21	11	29
Total	2,338	1,646	1,631
WEST COAST CANADA TO EAST COAST SOUTH AMERICA:			
Coal	194	.....	30
Grains	285	51	21
Barley	.....	.....	21
Wheat	285	51	.....
Lumber and products	61	56	32
Pulpwood	61	56	29
Other and unclassified	.....	.....	3
Minerals, miscellaneous	265	256	120
Sulfur	250	256	120
Other and unclassified	15	.....	.....
Nitrates, phosphates, and potash	19	34	20
Fertilizers, unclassified	.....	.....	1
Potash	18	32	19
Other and unclassified	1	2	.....
Ores and metals, miscellaneous	17	2	.....
Miscellaneous	44	27	35
Paper and paper products	38	23	22
All other and unclassified	6	4	13
Total	885	426	258
WEST COAST CANADA TO WEST INDIES:			
Chemicals and petroleum chemicals, miscellaneous	2	2	36
Lumber and products	36	31	29
Boards and planks	36	31	29
Nitrates, phosphates, and potash	17	37	17
Minerals, miscellaneous	136	121	69
Sulfur	136	121	69
Other agricultural commodities	.....	31	.....
Peas, dry	.....	31	.....
Petroleum and products	10	150	52
Other and unclassified	10	150	52
Miscellaneous	24	4	2
Paper and paper products	17	4	2
All other and unclassified	7	.....	.....
Total	225	376	205
WEST COAST CANADA TO EUROPE:			
Canned and refrigerated foods, miscellaneous	24	34	31
Chemicals and petroleum chemicals, miscellaneous	198	331	173
Coal and coke	2,103	1,446	766
Grains	664	877	665
Barley	354	483	272
Wheat	310	278	361
Other and unclassified	.....	116	32
Lumber and products	1,926	2,304	2,037
Boards and planks	642	1,064	886

Table 11.—Important Commodity Shipments Over Principal Trade Routes Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST CANADA TO EUROPE—Continued			
Lumber and products—Continued			
Plywood, veneers, composition board	192	171	175
Pulpwood	968	923	875
Other and unclassified	124	146	101
Machinery and equipment	.....	.....	3
Machinery and equipment, miscellaneous	.....	.....	3
Minerals, miscellaneous	1,281	1,021	677
Asbestos	1	3	2
Sulfur	1,280	1,018	675
Nitrates, phosphates, and potash	.....	1	18
Potash	.....	.....	14
Fishmeal	.....	1	4
Ores and metals	49	55	87
Ores	21	17	30
Copper	.....	6	12
Zinc	4	4	6
Other and unclassified	17	7	12
Metals	28	38	57
Aluminum	.....	1	.....
Copper	.....	.....	1
Lead	14	17	37
Zinc	14	19	15
Other and unclassified	.....	1	4
Other agricultural commodities	80	294	57
Oilseeds	68	291	51
Other and unclassified	12	3	6
Petroleum and products	86	118	86
Petroleum coke	66	103	84
Other and unclassified	20	15	2
Miscellaneous	547	346	610
Paper and paper products	305	157	357
All other and unclassified	242	189	253
Total	6,958	6,827	5,210
WEST COAST CANADA TO AFRICA:			
Chemicals and petroleum chemicals, miscellaneous	.....	.....	26
Coal and coke	.....	35	50
Grains	547	659	53
Wheat	547	659	53
Lumber and products	264	299	312
Boards and planks	253	261	265
Pulpwood	11	29	18
Other and unclassified	.....	9	29
Minerals, miscellaneous	1,189	855	786
Sulfur	1,189	855	786
Nitrates, phosphates, and potash	15	13	7
Potash	15	13	7
Miscellaneous	55	38	2
All other and unclassified	55	38	2
Total	2,070	1,899	1,236
WEST COAST CANADA TO ASIA (MIDDLE EAST):			
Grains	172	.....	.....
Barley	67	.....	.....
Wheat	105	.....	.....
Lumber and products	13	.....	2

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST CANADA TO ASIA (MIDDLE EAST)—Continued			
Lumber and products—Continued			
Other and unclassified	13	.....	2
Minerals, miscellaneous	82	.....	123
Sulfur	82	.....	123
Total	267	.....	125
WEST COAST CENTRAL AMERICA TO EAST COAST UNITED STATES:			
Canned and refrigerated foods	34	114	162
Refrigerated foods	34	114	162
Bananas	32	114	161
Other and unclassified	2	.....	1
Minerals, miscellaneous	58	203	150
Salt	58	194	150
Sulfur	.....	9	.....
Nitrates, phosphates, and potash	26	4	9
Fishmeal	26	4	9
Ores and metals, miscellaneous	.....	.....	23
Other agricultural commodities	558	666	548
Coffee	27	33	43
Molasses	188	215	189
Sugar	341	416	316
Other and unclassified	2	2	.....
Petroleum and products	46	6	5
Miscellaneous	39	6	12
Oil, vegetable	.....	.....	7
All other and unclassified	39	6	5
Total	761	999	909
WEST COAST CENTRAL AMERICA TO EAST COAST CENTRAL AMERICA:			
Grains, miscellaneous	.....	43	21
Nitrates, phosphates, and potash	310	85	143
Phosphates	302	87	143
Fertilizer, unclassified	8	2	.....
Petroleum and products	7	17	.....
Diesel oil	5	16	.....
Gasoline	1	1	.....
Kerosene	1	.....	.....
Miscellaneous	7	12	2
All other and unclassified	7	12	2
Total	324	159	166
WEST COAST CENTRAL AMERICA TO WEST INDIES:			
Canned and refrigerated foods	78	24	63
Refrigerated foods, miscellaneous	78	24	63
Lumber and products	23	22	41
Boards and planks	23	19	41
Other and unclassified	.....	3	.....
Other agricultural commodities	26	19	43
Molasses	6	.....	29
Other and unclassified	20	19	14
Petroleum and products, miscellaneous	29	123	.....
Miscellaneous	22	16	21
All other and unclassified	22	16	21
Total	178	204	168

Table 11.—Important Commodity Shipments Over Principal Trade Routes Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST CENTRAL AMERICA TO EUROPE:			
Canned and refrigerated foods	89	99	120
Refrigerated foods	89	99	120
Bananas	43	76	101
Other and unclassified	46	23	19
Chemicals and petroleum chemicals, miscellaneous	6	.....	20
Grains, miscellaneous	.....	13	.....
Lumber and products	9	9	16
Boards and planks	9	9	15
Other and unclassified	.....	.....	1
Manufactures of iron and steel, miscellaneous	.....	15	15
Nitrates, phosphates, and potash	.....	4	1
Fertilizers, unclassified	.....	4	.....
Fishmeal	.....	.....	1
Ores and metals, miscellaneous	141	205	183
Ores	140	201	153
Copper	135	196	125
Other and unclassified	5	5	28
Metals	1	4	30
Copper	.....	.....	25
Other and unclassified	1	4	5
Other agricultural commodities	340	169	257
Beans, edible	.....	5	4
Cocoa and cocoa beans	.....	6	.....
Coffee	123	79	77
Cotton, raw	69	46	45
Molasses	59	5	86
Oilseeds	7	14	6
Peas, dry	37	7	17
Sugar	45	7	22
Miscellaneous	75	99	124
Seeds, excluding oilseeds	2	3	.....
Textiles	1	.....	5
Tobacco and manufactures	1	1	1
All other and unclassified	71	95	118
Total	660	613	736
WEST COAST CENTRAL AMERICA TO AFRICA:			
Canned and refrigerated foods	6	.....	1
Bananas	6	.....	.....
Other and unclassified	.....	.....	1
Lumber and products, miscellaneous	11	9	2
Manufactures of iron and steel	.....	54	64
Other agricultural commodities	36	66	35
Coffee	1	11	19
Peas, dried	6	.....	6
Sugar, raw	29	55	.....
Other and unclassified	.....	.....	10
Miscellaneous	1	1	2
All other and unclassified	1	1	2
Total	54	*130	104
WEST COAST SOUTH AMERICA TO EAST COAST UNITED STATES:			
Canned and refrigerated foods	737	561	504
Canned foods, miscellaneous	18	24	10
Refrigerated foods	719	537	494

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST SOUTH AMERICA TO EAST COAST UNITED STATES—Continued			
Canned and refrigerated foods—Continued			
Bananas	435	305	315
Fish	31	27	23
Fruit, excluding bananas	243	194	141
Refrigerated, miscellaneous	10	11	15
Chemicals and petroleum chemicals, miscellaneous	11	28	24
Lumber and products	57	28	19
Boards and planks	24	11	8
Other and unclassified	33	17	11
Manufactures of iron and steel, miscellaneous	26	5	3
Minerals, miscellaneous	467	472	382
Salt	462	460	377
Soda and sodium compounds	5	11	5
Other and unclassified	.....	1	.....
Nitrates, phosphates, and potash	255	135	166
Fishmeal	114	33	42
Nitrate of soda	141	102	120
Potash	.....	.....	4
Ores and metals	630	555	742
Ores	399	232	319
Copper	26	11	10
Iron	217	19	.....
Lead	20	36	25
Tin	3	9	1
Zinc	29	20	11
Other and unclassified	104	137	272
Metals	231	323	423
Copper	178	267	367
Lead	10	14	20
Zinc	31	30	33
Other and unclassified	12	12	3
Other agricultural commodities	647	588	596
Beans, edible	1	.....	1
Cocoa and cacao beans	61	27	19
Coffee	143	175	124
Cotton, raw	3	5	3
Molasses	172	139	301
Sugar	267	242	148
Petroleum and products	4,596	5,603	5,076
Crude oil	2,686	3,567	3,724
Fuel oil, residual	1,743	1,725	1,224
Diesel oil	49	45	.....
Gasoline	118	113	20
Other and unclassified	.....	153	108
Miscellaneous	234	199	126
Fibers, plant	4	5	6
Groceries, miscellaneous	6	7	4
Oil, fish	3	.....	.....
Paper and products	9	9	3
Textiles	8	11	10
All other and unclassified	204	167	106
Total	7,660	8,174	7,638
WEST COAST SOUTH AMERICA TO EAST COAST CANADA:			
Nitrates, phosphates, and potash	4	4	10
Nitrate of soda	4	4	10
Ores and metals, miscellaneous	97	76	52
Other agricultural commodities	.....	32	40

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST SOUTH AMERICA TO EAST COAST UNITED STATES—Continued			
Other agricultural commodities—Continued			
Molasses	.....	19	.....
Sugar	.....	12	39
Other and unclassified	.....	1	1
Minerals, miscellaneous	.....	.....	30
Salt	.....	.....	30
Petroleum and products	.....	52	55
Crude oil	.....	52	55
Miscellaneous	6	4	1
All other and unclassified	6	4	1
Total	107	168	188
WEST COAST SOUTH AMERICA TO EAST COAST CENTRAL AMERICA:			
Manufactures of iron and steel, miscellaneous	2	5	21
Ores and metals	8	52	24
Metals, miscellaneous	5	5	11
Ores, miscellaneous	3	47	13
Other agricultural commodities	38	2	12
Sugar	.....	.....	12
Other and unclassified	38	2	.....
Petroleum and products	662	939	821
Crude oil	629	939	821
Other and unclassified	33	.....	.....
Miscellaneous	3	1	12
Paper and paper products	.....	.....	2
All other and unclassified	3	1	10
Total	713	999	890
WEST COAST SOUTH AMERICA TO EAST COAST SOUTH AMERICA:			
Canned and refrigerated foods	7	5	5
Canned foods, miscellaneous	2	.....	.....
Fruit refrigerated, excluding bananas	1	.....	3
Other and unclassified	4	5	2
Chemicals and petroleum chemicals, miscellaneous	11	13	3
Lumber and products, miscellaneous	28	75	44
Manufactures of iron and steel, miscellaneous	.....	1	1
Ores and metals, miscellaneous	82	51	54
Other agricultural commodities	110	40	27
Beans, edible	2	23	26
Sugar	80	16	.....
Other and unclassified	28	1	1
Petroleum and products	995	922	1,537
Crude oil	905	907	1,528
Gasoline	90	10	9
Other and unclassified	.....	5	.....
Miscellaneous	88	44	31
Oil, fish	1	4	.....
Oil, vegetable	16	6	3
Paper and paper products	17	15	9
All other and unclassified	54	19	19
Total	1,321	1,151	1,702
WEST COAST SOUTH AMERICA TO WEST INDIES:			
Canned and refrigerated foods	54	44	56
Canned foods, miscellaneous	1	4	.....

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST SOUTH AMERICA TO WEST INDIES—Continued			
Canned and refrigerated foods—Continued			
Fish, refrigerated	53	40	55
Other and unclassified	.....	.....	1
Grains, miscellaneous	.....	2	12
Lumber and products	61	26	27
Boards and planks	57	22	27
Other and unclassified	4	4	.....
Nitrates, phosphates, and potash	72	9	12
Fishmeal	20	9	12
Phosphates	52	.....	.....
Other agricultural commodities	.....	.....	18
Sugar	.....	.....	16
Other and unclassified	.....	.....	2
Petroleum and products	3,818	3,392	2,059
Crude oil	2,875	2,624	1,650
Diesel oil	44	.....	28
Fuel oil, residual	899	730	343
Other and unclassified	.....	38	38
Miscellaneous	10	27	27
All other and unclassified	10	27	27
Total	4,015	3,500	2,211
WEST COAST SOUTH AMERICA TO EUROPE:			
Canned and refrigerated foods	1,018	699	723
Canned foods, miscellaneous	15	24	25
Refrigerated foods	1,003	675	698
Bananas	307	238	278
Fish, refrigerated	506	297	293
Fruit, excluding bananas	140	139	116
Other and unclassified	50	1	11
Chemicals and petroleum chemicals, miscellaneous	5	9	9
Coke, coal type	.....	.....	3
Grains, miscellaneous	.....	45	37
Lumber and products	123	118	172
Boards and planks	22	13	7
Pulpwood	96	98	153
Other and unclassified	5	7	12
Manufactures of iron and steel	.....	11	.....
Nitrates, phosphates, and potash	1,171	733	895
Ammonium compounds	.....	23	.....
Fertilizers, unclassified	.....	.....	11
Fishmeal	1,073	646	737
Nitrate of soda	95	64	147
Potash	3	.....	.....
Ores and metals	1,664	1,415	1,564
Ores	918	759	730
Copper	176	111	103
Iron	112	.....	53
Lead	100	101	64
Tin	22	21	30
Zinc	420	500	448
Other and unclassified	88	26	32
Metals	746	656	834
Copper	581	563	667
Lead	52	34	41
Zinc	92	40	54
Other and unclassified	21	19	72

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
WEST COAST SOUTH AMERICA TO EUROPE—Continued			
Other agricultural commodities	149	209	357
Cocoa and cacao beans	11	12	9
Coffee	111	143	189
Cotton, raw	21	11	30
Molasses	.....	13	.....
Oilseeds	.....	5	1
Sugar	.....	12	107
Wool, raw	6	10	16
Other and unclassified	.....	3	5
Petroleum and products	106	.....	3
Fuel oil, residual	86	.....	.....
Other and unclassified	20	.....	3
Miscellaneous	490	346	253
Groceries, miscellaneous	6	12	6
Oil, fish	106	109	54
Paper and paper products	1	13	5
Seeds, excluding oilseeds	1	1	.....
Textiles	7	7	9
All other and unclassified	369	204	179
Total	4,726	3,585	4,016
HAWAII TO EAST COAST UNITED STATES:			
Other agricultural commodities	168	129	196
Sugar	168	129	196
Miscellaneous	7	12	19
All other and unclassified	7	12	19
Total	175	141	215
OCEANIA TO EAST COAST UNITED STATES:			
Canned and refrigerated foods	324	311	378
Refrigerated foods	324	311	378
Dairy products	.....	.....	1
Fruit, refrigerated	20	8	61
Meat	14	23	12
Other and unclassified	290	280	303
Chemicals and petroleum chemicals, miscellaneous	1	10	9
Manufactures of iron and steel, miscellaneous	22	64	62
Ores and metals	1,492	1,175	418
Ores	1,488	1,156	376
Alumina/bauxite	894	611	31
Iron	.....	53	.....
Lead	5	5	53
Manganese	57	61	47
Other and unclassified	532	426	245
Metals	4	19	42
Aluminum metal	.....	.....	25
Lead metal	4	11	11
Zinc	.....	.....	1
Other and unclassified	.....	8	5
Other agricultural commodities	400	445	311
Molasses	273	203	101
Sugar	127	242	210
Petroleum and products	112	241	100
Fuel oil, residual	32	160	100
Lubricating oil	30	52	.....
Other and unclassified	50	81	.....

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
OCEANIA TO EAST COAST UNITED STATES—Continued			
Miscellaneous	379	382	372
All other and unclassified	379	382	372
Total	2,730	2,628	1,650
OCEANIA TO EAST COAST CANADA:			
Canned and refrigerated foods	40	33	55
Refrigerated foods	40	33	55
Other and unclassified	40	33	55
Ores and metals	24	76	25
Ores, miscellaneous	24	76	25
Other agricultural commodities	298	347	216
Sugar	298	347	216
Miscellaneous	56	35	54
All other and unclassified	56	35	54
Total	418	491	350
OCEANIA TO EAST COAST CENTRAL AMERICA:			
Canned and refrigerated foods, miscellaneous	37	28	12
Coal	.....	22	.....
Ores and metals	136	37	86
Manganese ore	93	22	39
Ores, miscellaneous	43	15	47
Miscellaneous	.....	4	6
All other and unclassified	.....	4	6
Total	173	91	104
OCEANIA TO WEST INDIES:			
Canned and refrigerated foods	93	143	74
Canned foods, miscellaneous	8	10	4
Refrigerated foods	85	133	70
Dairy products	14	6	5
Fish, refrigerated	56	113	50
Meat	.....	5	8
Other and unclassified	15	9	7
Petroleum and products	47	39	.....
Miscellaneous	13	19	11
All other and unclassified	13	19	11
Total	153	201	85
OCEANIA TO EUROPE:			
Canned and refrigerated foods	160	186	185
Canned foods, miscellaneous	5	.....	.....
Refrigerated foods	155	186	185
Dairy products	2	.....	6
Fruit, excluding bananas	123	92	53
Meat	20	2	.....
Other and unclassified	10	92	126
Chemicals and petroleum chemicals, miscellaneous	227	115	.....
Grains, miscellaneous	.....	74	.....
Ores and metals	37	72	155
Ores	29	58	79
Alumina/bauxite	.....	38	.....
Copper	.....	.....	71
Other and unclassified	29	20	8
Metals	8	14	76
Copper	.....	.....	35
Zinc	.....	.....	15

Table 11.—Important Commodity Shipments Over Principal Trade Routes Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
OCEANIA TO EUROPE—Continued			
Ores and metals—Continued			
Other and unclassified	8	14	26
Other agricultural commodities	224	271	251
Copra	.....	7	11
Molasses	30	20	69
Skins and hides	.....	.....	1
Sugar	184	236	166
Wool, raw	10	8	4
Miscellaneous	247	287	296
Groceries, miscellaneous	.....	.....	1
Oil, coconut	4	8	5
Oil, vegetable	7	26	24
Tallow	16	32	5
All other and unclassified	220	221	261
Total	895	1,005	887
ASIA TO EAST COAST UNITED STATES:			
Canned and refrigerated foods	135	175	205
Canned foods	50	90	64
Fruit	45	85	45
Vegetables	.....	1	6
Other and unclassified	5	5	13
Refrigerated foods	85	85	141
Fruit, refrigerated	.....	9	78
Other and unclassified	85	76	63
Chemicals and petroleum chemicals, miscellaneous	206	69	108
Coal and coke	447	183	.....
Lumber and products	745	693	641
Boards and planks	150	58	37
Plywood, veneers, composition board	541	591	585
Other and unclassified	54	44	19
Machinery and equipment	1,519	1,369	1,210
Agricultural machinery	17	24	11
Automobiles, trucks, accessories and parts	1,369	1,275	1,131
Construction machinery and equipment	88	45	19
Electrical machinery and apparatus	9	12	13
Other and unclassified	36	13	36
Manufactures of iron and steel	4,596	4,931	2,905
Angles, shapes, and sections	399	277	348
Nails, tacks, and spikes	64	102	59
Plates, sheets, and coils	1,624	1,852	1,035
Tubes, pipes, and fittings	741	951	564
Wire, bars, and rods	221	320	174
Other and unclassified	1,547	1,429	725
Nitrates, phosphates, and potash	2	2	2
Fertilizers, unclassified	2	2	2
Ores and metals	1,418	1,054	901
Ores	1,344	1,018	835
Alumina/bauxite	168	143	43
Chrome	49	28	11
Manganese	.....	7	1
Other and unclassified	1,127	840	780
Metals	74	36	66
Aluminum	43	30	29
Copper	2	1	7
Iron	1	.....	1
Other and unclassified	28	5	29

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
ASIA TO EAST COAST UNITED STATES—Continued			
Other agricultural commodities	348	532	323
Coffee	3	5	8
Copra	2	3	1
Rubber, raw	94	92	56
Sugar	248	428	251
Other and unclassified	1	4	7
Petroleum and products, miscellaneous	235	676	141
Miscellaneous	5,241	4,660	3,611
Bricks and tile	8	3	1
Clay, fire and china	25	1	2
Fibers, plant	.....	1	1
Glass and glassware	.....	2	4
Groceries, miscellaneous	6	10	7
Oil, coconut	32	43	63
Oil, vegetable	37	5	32
Porcelainware	.....	2	2
Rubber, manufactured	26	33	41
Textiles	5	16	6
All other and unclassified	5,102	4,544	3,452
Total	14,892	14,344	10,047
ASIA TO EAST COAST CANADA:			
Canned and refrigerated foods, miscellaneous	4	5	1
Machinery and equipment	1	.....	6
Other and unclassified	1	.....	6
Manufactures of iron and steel	26	7	30
Plates, sheets, and coils	15	.....	10
Tubes, pipes, and fittings	4	4	9
Wire, bars, and rods	.....	.....	2
Other and unclassified	7	3	9
Ores and metals, miscellaneous	97	55	6
Ores	89	55	6
Alumina/bauxite	76	55	6
Other and unclassified	13	.....	.....
Metals	8	.....	.....
Other and unclassified	8	.....	.....
Miscellaneous	296	327	278
All other and unclassified	296	327	278
Total	424	394	321
ASIA TO EAST COAST CENTRAL AMERICA:			
Chemicals and petroleum chemicals, miscellaneous	.....	.....	70
Grains, miscellaneous	42	21	.....
Machinery and equipment, miscellaneous	3	3	.....
Manufactures of iron and steel, miscellaneous	41	8	14
Ores and metals, miscellaneous	.....	.....	58
Ores, miscellaneous	.....	.....	58
Miscellaneous	9	15	27
All other and unclassified	9	15	27
Total	95	47	169
ASIA TO EAST COAST SOUTH AMERICA:			
Chemicals and petroleum chemicals, miscellaneous	.....	2	4
Coal and coke	33	.....	.....
Grains, miscellaneous	48	21	.....
Machinery and equipment	39	42	72
Automobiles, trucks, accessories and parts	14	16	19
Construction machinery and equipment	5	6	32

Table 11.—Important Commodity Shipments Over Principal Trade Routes
Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
ASIA TO EAST COAST SOUTH AMERICA—Continued			
Machinery and equipment—Continued			
Electrical machinery and apparatus	12	9	11
Other and unclassified	8	11	10
Manufactures of iron and steel	223	161	230
Plates, sheets, and coils	62	72	91
Tubes, pipes, and fittings	128	46	86
Other and unclassified	33	43	53
Nitrates, phosphates, and potash	4	.....	4
Fertilizers, unclassified	4	.....	4
Ores and metals	26	15	32
Ores	20	2	22
Other and unclassified	20	2	22
Metals	6	13	10
Tin, including tinplate	1	6	3
Other and unclassified	5	7	7
Other agricultural commodities	2	3	4
Rubber, raw	2	3	4
Petroleum and products	.....	.....	2
Other and unclassified	.....	.....	2
Miscellaneous	176	157	186
Resin	1	1	1
Rubber, manufactured	3	1	6
Textiles	1	1	2
All other and unclassified	171	136	176
Total	551	380	534
ASIA TO CRISTOBAL, R.P.:			
Machinery and equipment	7	12	4
Electrical machinery and apparatus	1	2	1
Other and unclassified	6	10	3
Manufactures of iron and steel, miscellaneous	26	22	20
Miscellaneous	100	93	81
Textiles	.....	1	2
All other and unclassified	100	92	79
Total	133	127	105
ASIA TO WEST INDIES:			
Canned and refrigerated foods	51	50	43
Canned foods, miscellaneous	33	24	30
Refrigerated foods	18	26	13
Fish, refrigerated	16	24	13
Other and unclassified	2	2	.....
Chemicals and petroleum chemicals, miscellaneous	13	10	7
Coal and coke	18	8	21
Grains	118	94	116
Corn	1	6	.....
Rice	104	83	106
Soybeans	10	5	10
Grains, miscellaneous	3	.....	.....
Lumber and products	196	184	133
Boards and planks	165	160	96
Plywood veneers	13	13	19
Pulpwood	10	10	12
Other and unclassified	8	1	6
Machinery and equipment	232	182	158
Automobiles, trucks, accessories and parts	193	161	144

Table 11.—Important Commodity Shipments Over Principal Trade Routes Pacific to Atlantic—Continued

[Thousands of long tons]

	Fiscal year		
	1985	1984	1983
ASIA TO WEST INDIES—Continued			
Machinery and equipment—Continued			
Electrical machinery and apparatus	15	5	3
Other and unclassified	24	16	11
Manufactures of iron and steel	118	124	152
Plates, sheets, and coils	63	67	70
Tubes, pipes, and fittings	24	32	30
Other and unclassified	31	25	52
Nitrates, phosphates and potash	2	33	.....
Fertilizers, unclassified	1	31	.....
Fishmeal	1	2	.....
Ores and metals	54	14	8
Metals, miscellaneous	23	7	4
Ores, miscellaneous	31	7	4
Petroleum and products	119	121	.....
Diesel oil	.....	4	.....
Gasoline	119	117	.....
Miscellaneous	400	291	316
Bricks and tile	2	3	3
Glass and glassware	3	2	5
Groceries, miscellaneous	2	.....	1
Paper and paper products	12	13	16
Porcelainware	1	1	1
Resin	1	.....	1
Rubber, manufactured	4	4	1
Textiles	11	6	6
All other and unclassified	364	262	282
Total	1,321	1,111	954
ASIA TO EUROPE:			
Canned and refrigerated foods	16	4	15
Chemicals and petroleum chemicals, miscellaneous	10	3	3
Coke, coal type	.....	.....	32
Machinery and equipment	2	4	3
Automobiles, trucks, accessories and parts	2	2	3
Other and unclassified	.....	2	.....
Ores and metals, miscellaneous	3	2	.....
Other agricultural commodities	.....	.....	23
Sugar raw	.....	.....	23
Petroleum and products, miscellaneous	1	4	.....
Miscellaneous	101	83	85
Oil, coconut	4	24	19
Oil, fish	44	37	31
Oil, vegetable	5	2	.....
All other and unclassified	48	20	35
Total	133	100	161

Table 12.—Principal Canal Commodities by Direction—Fiscal Year 1985

[Long tons]

Commodity	Atlantic to Pacific	Pacific to Atlantic	Total
Ammonium compounds	652,535	14,831	667,366
Asbestos	20,893	2,084	22,977
Asphalt	74,178	1,257	75,435
Automobiles, trucks, and accessories	341,043	1,589,005	1,930,048
Bananas	.....	883,198	883,198
Barley	54,836	421,135	475,971
Beans, edible	6,852	56,802	63,654
Benzene	5,955	68,644	74,599
Borax	252	415,376	415,628
Bricks and tile	40,764	13,184	53,948
Canned food products	72,762	181,748	254,510
Carbon black	28,745	4,531	33,276
Caustic soda	713,583	4,748	718,331
Cement	254,817	5,452	260,269
Chemicals, petroleum various	802,744	69,089	871,833
Chemicals, various	2,304,690	967,018	3,271,708
Clay, fire and china	416,670	41,871	458,541
Coal and coke (excluding petroleum coke)	8,552,849	2,929,159	11,482,008
Cocoa and cacao beans	2,654	76,411	79,065
Coffee	12,337	413,825	426,162
Coke, petroleum	663,801	1,552,755	2,216,556
Copra and coconuts	.....	11,103	11,103
Corn	8,132,134	60,182	8,192,316
Cotton, raw	12,477	145,839	158,316
Fertilizers, various	1,890,776	67,468	1,958,244
Fibers, plant	9,015	5,771	14,786
Fishmeal	1,688	1,297,407	1,299,095
Flour, wheat	122,116	574	122,690
Gasoline	1,206,354	658,946	1,865,300
Glass and glassware	20,310	4,512	24,822
Grains, various	133,106	3,645	136,751
Groceries, various	36,444	59,633	96,077
Infusorial earth	2,748	3,105	5,853
Jet fuel	477,932	11,500	489,432
Kerosene	44,786	538	45,324
Liquefied gas	712,686	27,575	740,261
Liquors	23,175	21,270	44,445
Lumber and products (excluding pulpwood)	68,506	4,171,965	4,240,471
Machinery, agricultural	54,107	23,135	77,242
Machinery, construction	78,969	113,338	192,307
Machinery, electrical	36,282	39,069	75,351
Machinery, various	45,632	58,103	103,735
Manufactures of iron and steel	2,724,803	5,092,070	7,816,873
Metal, aluminum	256,134	73,669	329,803
Metal, copper	76,732	817,628	894,360
Metal, iron	133,999	7,090	141,089
Metal, scrap	2,317,810	5,080	2,322,890
Metals, various (including tinplate)	81,782	342,771	424,553
Molasses	4,896	780,604	785,500
Nitrate of soda	34,230	239,848	274,078
Oats	37,718	828	38,546
Oil, coconut	1,792	54,465	56,257
Oil, crude	3,396,864	9,028,521	12,425,385
Oil, diesel	1,093,975	754,612	1,848,587
Oil, fish	269	173,664	173,933
Oil, lube	609,583	219,782	829,365
Oil, residual fuel	2,378,333	3,629,019	6,007,352
Oil, vegetable	190,142	150,756	340,898
Oilseeds	66,826	124,692	191,518
Ore, alumina/bauxite	227,281	1,144,973	1,372,254
Ore, copper	13,164	414,601	427,765

Table 12.—Principal Canal Commodities by Direction—Fiscal Year 1985—Continued

[Long tons]

Commodity	Atlantic to Pacific	Pacific to Atlantic	Total
Ore, iron	107,629	328,685	436,314
Ores, various	480,845	2,902,928	3,383,773
Paper and paper products	854,250	460,513	1,314,763
Peas, dry	313	62,919	63,232
Petroleum products, various	178,258	51,858	230,116
Phosphates	6,764,466	376,157	7,140,623
Potash	185,834	335,230	521,064
Pulpwood	513,527	1,472,388	1,985,915
Refrigerated food products (excluding bananas)	386,132	2,136,718	2,522,850
Resin	312,195	3,317	315,512
Rice	93,236	516,386	609,622
Rubber, manufactured	20,870	33,877	54,747
Rubber, raw	1,344	98,451	99,795
Salt	76,664	524,279	600,943
Seeds, excluding oilseeds	573	11,808	12,381
Slag, clinkers, and dross	7,650	14,585	22,235
Soda and sodium compounds	108,870	197,959	306,829
Sorghum	2,268,805	.....	2,268,805
Soybeans	6,381,508	10,257	6,391,765
Sugar	1,273,371	1,799,189	3,072,560
Sulfur	15,776	3,051,335	3,067,111
Tallow	66,886	56,595	123,481
Textiles	64,789	38,280	103,069
Tobacco and manufactures	4,030	3,597	7,627
Toluene	28,165	44,059	72,224
Wax, paraffin	6,982	10,988	17,970
Wheat	3,742,070	1,655,974	5,398,044
Wool, raw	490	16,535	17,025
All other	8,426,881	8,725,957	17,152,838
Total	74,150,945	64,492,298	138,643,243

Other Statistics

Table 13.—Water Supply and Usage

	Fiscal year		Percentage of usage Fiscal year	
	1985	1984	1985	1984
	(Acre-Feet)			
MADDEN AND GATUN LAKE WATER SUPPLY:				
Total runoff, Madden Lake Basin	1,866,707	2,160,415		
Evaporation from Madden Lake	45,164	44,821		
Municipal water use Madden Lake	83,275	81,865		
Available for Madden Lake usage	1,995,146	2,033,729		
Total runoff, Gatun Lake (area below Madden)	2,160,585	2,775,947		
Subtotal	4,155,731	4,809,676		
Evaporation from Gatun Lake	453,739	433,455		
Available for Gatun watershed usage	3,701,992	4,376,221		
MADDEN LAKE WATER USAGE:				
Hydroelectric power	1,648,530	1,457,438	82	81
Leakage	14,479	14,519	1	1
Spillway discharge	256,589	241,093	13	13
Municipal	83,275	81,865	4	5
Total Madden Lake usage	2,002,873	1,794,960	100	100
GATUN LAKE WATER USAGE:				
Hydroelectric power	1,089,761	1,711,708	29	43
Lockages, Gatun and Pedro Miguel	1,948,325	1,876,653	3	47
Municipal and other usages	100,173	94,975	3	2
Spillway discharge	565,909	303,007	15	8
Total Gatun Lake usage	3,704,168	3,986,343	100	100

Table 14.—Dredging Operations—Fiscal Year 1985

(Cubic yards)	Earth	Rock	Total
Pacific District	.....	.....	.....
Central District	943,259	383,285	1,326,544
Atlantic District	.....	.....	.....
Grand Total	943,259	383,285	1,326,544

Table 15.—Electrical Power Generated

(Gigawatt hours) [1]

	Fiscal year 1985	Fiscal year 1984
Generation:		
Gatun hydro station	67	93
Madden hydro station	179	162
Thermal generating stations	283	347
Gross generated by Panama Canal Commission	529	602
Less station service usage	(13)	(13)
Net total generated by Panama Canal Commission	516	589
Power Purchases.		
Through interconnect from Panama	4	2
Net Energy charged for Wheeling	10	8
Power Sales:		
Through interconnect to Panama	(33)	(66)
Net power generated and purchases for Canal area only	497	533
Other power generated by military for own use	.....	.....
Total Canal area requirements	497	533
Power distributed to Comission's customers	462	488
Distribution losses	35	45
Peak load (thousands of kilowatts)	81	84
Date of peak load	May 3	Feb. 27
Canal area load factor [2]	70.0%	72.6%

[1] One gigawatt hour equal to 1 million kilowatt hours.
[2] Total Canal area requirements divided by number of hours per year times peak load.

Table 16.—Fire Statistics

	Fiscal Year 1985		Fiscal Year 1984	
	Number of fires	Property loss	Number of fires	Property loss
PCC	93	$89,910	86	$168,887
Armed Forces	315	90,078	329	36,280
Private (including ships)	55	520,012	61	372,066
R.P.*	275	19,295	104	50,830
Total	738	$719,295	580	$628,063
Value of Property involved in ship fires		$216,160,238		$103,418,187
Value of Property involved in other fires		89,093,040		90,789,357
Calls for emergency aid **		3,812		2,729
Total number of calls (all types) responded to		4,756		3,453

* Statistics started as of October 1, 1979 due to the Treaty implementation.
** Includes Fire Apparatus and Ambulance.